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Index to NASA News Releases and Speeches 1993

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Index to NASA News Releases and Speeches 1993

April 1994

NASA

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

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Index to NASA News Releases and Speeches 1993

NASA TM-109722

April 1994

An index to selected news releases and speeches
issued by NASA Headquarters during 1993.

This publication was prepared by the NASA Center for AeroSpace Information,
800 Elkridge Landing Road, Linthicum Heights, MD 21090-2934, (301) 621-0390.

INTRODUCTION

This issue of the *Index to NASA News Releases and Speeches* contains a listing of news releases distributed by the Office of Public Affairs, NASA Headquarters, and a selected listing of speeches presented by members of the Headquarters staff during 1993. This index supplements the previous issues that were identified as *Index to NASA News Releases and Speeches 1963-1966*, and the supplements for 1967 through 1992.

The index is arranged in six sections—Subject Index, Personal Names Index, News Release Number Index, Accession Number Index, Speeches, and News Releases.

Section 1, Subject Index, contains subject headings arranged alphabetically that describe the contents of the items indexed. Under each heading the user will find applicable references to news releases and speeches containing information on that subject entry and, in many cases, cross-references to related subject headings. Each entry contains the title, accession number, news release number, and reference section (05 for Section 5, Speeches and 06 for Section 6, News Releases).

Two types of cross-references are used:

S for 'SEE' directs the user to a subject heading where references can be found—

COMSAT

S COMMUNICATIONS SATELLITE CORP.

SA for 'SEE ALSO' directs the user to related subject headings where additional references may be found—

COMMUNICATION SATELLITES

SA TELESAT SATELLITES

Section 2, Personal Names Index, contains personal names arranged alphabetically that identify the persons mentioned in the indexed items or, in the case of speeches, the speaker. Each entry contains the title, accession number, news release number, and the reference section. The symbol + is used to identify speeches presented by the person under whose name they are indexed.

Section 3, New Release Number Index, lists all numbered NASA News Releases arranged in news release number order, with the corresponding accession and reference numbers.

Section 4, Accession Number Index, lists all items indexed in this publication arranged in accession number order. Each entry contains the reference section and the corresponding news release number.

Section 5, Speeches, lists the speeches indexed in this publication arranged in accession number order. Each entry contains the title, speaker, date of release, and other reference information.

Section 6, News Releases, lists the news releases, press briefings, news conference transcripts, and other public information releases indexed in this publication, arranged in accession number order. Each news release reference contains the title, date of release, news release number, if any, and other reference information.

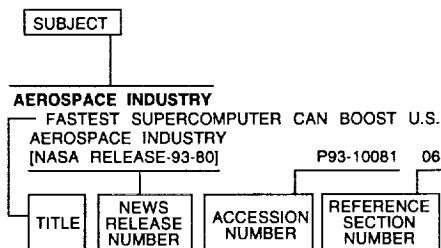
Copies of documents listed in this index are available to NASA offices on request from the NASA Center for AeroSpace Information (CASI), 800 Elkridge Landing Road, Linthicum Heights, MD 21090-2934. Requests for copies of the index itself should also be addressed to CASI via letter, the Internet (help@sti.nasa.gov), telephone (301-621-0390), or fax (301-621-0134).

Table of Contents

| SECTION | PAGE |
|------------------------------------|------|
| 1. Subject Index | A-1 |
| 2. Personal Names Index | B-1 |
| 3. News Release Number Index | C-1 |
| 4. Accession Number Index | D-1 |
| 5. Speeches | E-1 |
| 6. News Releases | F-1 |

PRECEDING PAGE BLANK NOT FILMED

Typical Subject Index Listing



The title of the news release or speech is used as the prime retrieval point. The accession number is located at the bottom right of the entry, followed by a two-digit number (05 or 06) identifying the index section where the complete citation appears. If available, the news release number is also included.

A

ABSORPTION

NASA RESEARCHERS RECORD UNUSUAL FLASHES IN UPPER ATMOSPHERE
[NASA RELEASE-93-167] P93-10168 06

ABSORPTION SPECTRA

NASA SCIENTISTS SOLVE LONG-STANDING STELLAR MYSTERY
[NASA RELEASE-93-25] P93-10026 06

EVIDENCE FOR SOLID WATER FOUND ON JUPITER'S MOON IO
[NASA RELEASE-93-107] P93-10108 06

ACCIDENT INVESTIGATION

NASA BOARD TO INVESTIGATE STS-51 HARDWARE PROBLEM
[NASA RELEASE-93-184] P93-10185 06

ACCIDENTS

S EXPLOSIONS

ACOUSTICS

WORLD'S LARGEST WIND TUNNEL WILL BE WORLD'S QUIETEST
[NASA RELEASE-93-81] P93-10082 06

ACQUIRED IMMUNODEFICIENCY SYNDROME /AIDS/

NASA JOINS FORCES WITH INDUSTRY IN AIDS RESEARCH
[NASA RELEASE-93-88] P93-10089 06

ACRC SYSTEM

S ASSURED CREW RETURN CAPABILITY

ACTS /COMMUNICATION SATELLITE/

S ADVANCED COMMUNICATIONS TECHNOLOGY SAT.

ACTUATORS

NASA SYSTEM RESEARCH AIRCRAFT MAKES FIRST TEST FLIGHT
[NASA RELEASE-93-95] P93-10096 06

ADAPTATION

SHUTTLE MISSION TO CONDUCT SCIENTIFIC FIRST
[NASA RELEASE-93-173] P93-10174 06

ADMINISTRATIVE OPERATIONS

SA CONTRACT ADMINISTRATION
SA ORGANIZATION CHANGE
ORGANIZATIONAL CHANGES TO ENHANCE PROGRAMS, RELATIONS
[NASA RELEASE-93-44] P93-10045 06
JSC DIRECTOR COHEN ANNOUNCES RETIREMENT
[NASA RELEASE-93-131] P93-10132 06
SPACE STATION HOST CENTER AND PRIME CONTRACTOR ANNOUNCED
[NASA RELEASE-93-148] P93-10149 06

ADVANCED COMMUNICATIONS TECHNOLOGY SAT.

SPACEWALK ADDED TO JULY SPACE SHUTTLE FLIGHT
[NASA RELEASE-93-21] P93-10022 06
ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06
NASA BOARD TO INVESTIGATE STS-51 HARDWARE PROBLEM
[NASA RELEASE-93-184] P93-10185 06

ADVANCED RESEARCH PROJECTS AGENCY

NEW TECHNOLOGY REINVESTMENT PROJECT SEMINAR SET FOR APRIL 1
[NASA RELEASE-93-57] P93-10058 06
NASA, OTHER AGENCIES TO EXPLAIN TECHNOLOGY REINVESTMENT
[NASA RELEASE-93-65] P93-10066 06

ADVANCED SOLID ROCKET MOTOR /SHUTTLE/

NASA LIMITS EXPENDITURES ON THE ASRM PROGRAM
[NASA RELEASE-93-189] P93-10190 06

ADVANCED VERY HIGH RESOLUTION RADIOMETER

NASA AND CENTRAL AMERICA WILL EXPAND RAIN FOREST STUDIES
[NASA RELEASE-93-47] P93-10048 06

ADVISORY COMM. ON SPACE STATION REDESIGN

SPACE STATION REDESIGN ADVISORY MEMBERS NAMED
[NASA RELEASE-93-59] P93-10060 06
GIBBONS OUTLINES SPACE STATION REDESIGN GUIDANCE
[NASA RELEASE-93-64] P93-10065 06
SPACE STATION HOST CENTER AND PRIME CONTRACTOR ANNOUNCED
[NASA RELEASE-93-148] P93-10149 06
THE REDESIGN OF THE SPACE STATION: GRAPPLING WITH THE CHALLENGE TO CHANGE
P93-10237 05

AEROBRAKING

MAGELLAN TO TEST AEROBRAKING MANEUVER IN VENUS ATMOSPHERE
[NASA RELEASE-93-89] P93-10090 06
MAGELLAN AEROBRAKING, GRAVITY STUDIES UNDERWAY
[NASA RELEASE-93-98] P93-10099 06
MAGELLAN AEROBRAKING AT VENUS A SUCCESS
[NASA RELEASE-93-144] P93-10145 06

AERODYNAMIC TEST RANGE

S EDWARDS AFB, CALIF.

AERODYNAMICS

SA HYPERSONICS

NASA, LEARJET JOIN TO CREATE NEW BUSINESS JET TECHNOLOGIES
[NASA RELEASE-93-46] P93-10047 06

NASA TO DEVELOP TECHNOLOGY FOR FUTURE HIGH-SPEED TRANSPORTS
[NASA RELEASE-93-52] P93-10053 06

FASTEST SUPERCOMPUTER CAN BOOST U.S. AEROSPACE INDUSTRY
[NASA RELEASE-93-80] P93-10081 06

NASA BOOSTS HYPERSONIC RESEARCH WITH UNIVERSITY GRANTS
[NASA RELEASE-93-152] P93-10153 06

NASA STARTS PHASE II OF SUPERSONIC AIRLINER EFFORT
[NASA RELEASE-93-202] P93-10203 06

REMARKS PREPARED FOR DELIVERY: BRUNEL'S PRODUCTION LINE - INSPIRATION, INNOVATION AND THE MARCH OF TECHNOLOGY; NATIONAL CENTER FOR MANUFACTURING SCIENCES 1993 ANNUAL MEETING, WASHINGTON, DC P93-10236 05

AERONAUTICAL RESEARCH

NASA SAVES \$1 MILLION ON AERONAUTICS RESEARCH PROJECT
[NASA RELEASE-93-35] P93-10036 06

NASA BOOSTS HYPERSONIC RESEARCH WITH UNIVERSITY GRANTS
[NASA RELEASE-93-152] P93-10153 06

NASA FOSTERS AEROSPACE ENGINEERING AT SOUTHERN UNIVERSITY
[NASA RELEASE-93-197] P93-10198 06

NASA TAPS 20 SCHOOLS FOR AERONAUTICS ENGINEERING GRANTS
[NASA RELEASE-93-210] P93-10211 06

NASA AND RUSSIA SIGN AERONAUTICS AGREEMENT IN MOSCOW
[NASA RELEASE-93-221] P93-10222 06

HST SERVICING MISSION HIGHLIGHTS 1993 NASA ACCOMPLISHMENTS
[NASA RELEASE-93-226] P93-10227 06

REMARKS BY NASA ADMINISTRATOR DAN GOLDIN BEFORE THE JPL HIGH-TECH SMALL BUSINESS DEVELOPMENT PROCUREMENT CONFERENCE: LOS ANGELES, CALIFORNIA P93-10231 05

AERONAUTICS

GOLDIN CALLS FOR IMPROVED TECHNOLOGY TRANSFER TO INDUSTRY
[NASA RELEASE-93-9] P93-10010 06

NASA SAVES \$1 MILLION ON AERONAUTICS RESEARCH PROJECT
[NASA RELEASE-93-35] P93-10036 06

NASA TO FEATURE VIDEO WALL AT PARIS AIR SHOW
[NASA RELEASE-93-92] P93-10093 06

NASA OSHKOSH EXHIBIT HIGHLIGHTS U.S. 'LEADERSHIP IN AERONAUTICS'
[NASA RELEASE-93-128] P93-10129 06

NASA EDUCATION TELECASTS SCHEDULED FOR 1993-94 SCHOOL YEAR
[NASA RELEASE-93-150] P93-10151 06

NASA BOOSTS HYPERSONIC RESEARCH WITH UNIVERSITY GRANTS
[NASA RELEASE-93-152] P93-10153 06

NASA FOSTERS AEROSPACE ENGINEERING AT SOUTHERN UNIVERSITY
[NASA RELEASE-93-197] P93-10198 06

NASA TAPS 20 SCHOOLS FOR AERONAUTICS ENGINEERING GRANTS
[NASA RELEASE-93-210] P93-10211 06

NASA AND RUSSIA SIGN AERONAUTICS AGREEMENT IN MOSCOW
[NASA RELEASE-93-221] P93-10222 06

REMARKS BY NASA ADMINISTRATOR DAN GOLDIN BEFORE THE JPL HIGH-TECH SMALL BUSINESS DEVELOPMENT PROCUREMENT CONFERENCE; LOS ANGELES, CALIFORNIA P93-10231 05

REMARKS BY NASA ADMINISTRATOR DANIEL S. GOLDIN TO THE AMERICAN ASTRONAUTICAL SOCIETY - GODDARD MEMORIAL SYMPOSIUM: REDESIGN OF THE SPACE STATION; HYATT REGENCY HOTEL, CRYSTAL CITY, ARLINGTON, VIRGINIA P93-10232 05

NASA PRESS CONFERENCE: SPACE STATION REDESIGN; NASA HEADQUARTERS BUILDING, WASHINGTON, DC P93-10233 05

NASA BUDGET BRIEFING; NASA HEADQUARTERS, WASHINGTON, DC P93-10234 05

AIAA LUNCHEON; CRYSTAL CITY HYATT REGENCY HOTEL, CRYSTAL CITY, VIRGINIA P93-10235 05

REMARKS PREPARED FOR DELIVERY: BRUNEL'S PRODUCTION LINE - INSPIRATION, INNOVATION AND THE MARCH OF TECHNOLOGY; NATIONAL CENTER FOR MANUFACTURING SCIENCES 1993 ANNUAL MEETING, WASHINGTON, DC P93-10236 05

THE REDESIGN OF THE SPACE STATION: GRAPPLING WITH THE CHALLENGE TO CHANGE P93-10237 05

REMARKS PREPARED FOR DELIVERY: TO BOLDLY GO - GIVING THOUGHT TO WHAT COMES NEXT IN SPACE; NATIONAL SPACE CLUB SPACE OUTLOOK CONFERENCE, FAIRFAX, VIRGINIA P93-10238 05

ADDRESS TO THE AIAA P93-10240 05

REMARKS BY NASA ADMINISTRATOR DAN GOLDIN TO THE AEROSPACE INDUSTRY ASSOCIATION (AIA); LITCHFIELD PARK, ARIZONA P93-10243 05

INTERVIEW WITH MATT BATES, INTERNATIONAL AEROSPACE MACHINISTS UNION; ACR HEADQUARTERS, WASHINGTON, DC P93-10245 05

WEST VIRGINIA HIGH TECH CONSORTIUM; FAIRMONT, WEST VIRGINIA P93-10247 05

REMARKS GIVEN TO JOHN LOGSTONE SPACE POLICY CLASS; GEORGE WASHINGTON UNIVERSITY P93-10248 05

AEROSPACE CORP., EL SEGUNDO, CALIF.

NASA SELECTS UPPER ATMOSPHERE INVESTIGATORS [NASA RELEASE-93-123] P93-10124 06

AEROSPACE ENGINEERING

NASA ENGINEER RECEIVES TECHNOLOGY TRANSFER AWARD [NASA RELEASE-93-73] P93-10074 06

MINORITY STUDENTS APPRENTICE ON SPACE RESEARCH [NASA RELEASE-93-116] P93-10117 06

NASA FOSTERS AEROSPACE ENGINEERING AT SOUTHERN UNIVERSITY [NASA RELEASE-93-197] P93-10198 06

NASA TAPS 20 SCHOOLS FOR AERONAUTICS ENGINEERING GRANTS [NASA RELEASE-93-210] P93-10211 06

HST SERVICING MISSION HIGHLIGHTS 1993 NASA ACCOMPLISHMENTS [NASA RELEASE-93-226] P93-10227 06

REMARKS BY NASA ADMINISTRATOR DANIEL S. GOLDIN TO THE AMERICAN ASTRONAUTICAL SOCIETY - GODDARD MEMORIAL SYMPOSIUM: REDESIGN OF THE SPACE STATION; HYATT REGENCY HOTEL, CRYSTAL CITY, ARLINGTON, VIRGINIA P93-10232 05

REMARKS PREPARED FOR DELIVERY: BRUNEL'S PRODUCTION LINE - INSPIRATION, INNOVATION AND THE MARCH OF TECHNOLOGY; NATIONAL CENTER FOR MANUFACTURING SCIENCES 1993 ANNUAL MEETING, WASHINGTON, DC P93-10236 05

AEROSPACE INDUSTRY

FASTEST SUPERCOMPUTER CAN BOOST U.S. AEROSPACE INDUSTRY [NASA RELEASE-93-80] P93-10081 06

ADDRESS TO THE AIAA P93-10240 05

REMARKS BY NASA ADMINISTRATOR DAN GOLDIN TO THE AEROSPACE INDUSTRY ASSOCIATION (AIA); LITCHFIELD PARK, ARIZONA P93-10243 05

AEROSPACE INDUSTRY ASSOCIATION /AIA/

REMARKS BY NASA ADMINISTRATOR DAN GOLDIN TO THE AEROSPACE INDUSTRY ASSOCIATION (AIA); LITCHFIELD PARK, ARIZONA P93-10243 05

AEROSPACE MEDICINE

NASA STUDY MAY HELP REDUCE LIGHTHEADEDNESS AFTER SPACE FLIGHT [NASA RELEASE-93-30] P93-10031 06

NASA SELECTS CENTER FOR LIFE SCIENCES RESEARCH [NASA RELEASE-93-40] P93-10041 06

ORGANIZATIONAL CHANGES TO ENHANCE PROGRAMS, RELATIONS [NASA RELEASE-93-44] P93-10045 06

NASA AND NIDCD SELECT VESTIBULAR RESEARCH CENTER [NASA RELEASE-93-111] P93-10112 06

STS-58 SECOND SPACELAB MISSION DEDICATED TO LIFE SCIENCES P93-10136 06

SHUTTLE MISSION TO CONDUCT SCIENTIFIC FIRST [NASA RELEASE-93-173] P93-10174 06

SHUTTLE RAT EXPERIMENT YIELDS UNEXPECTED RESULTS [NASA RELEASE-93-181] P93-10182 06

PRESS CONFERENCE; JOHNSON SPACE CENTER, HOUSTON, TEXAS P93-10239 05

AEROSPACE PLANES

TECHNOLOGY 2003 TO HIGHLIGHT NEW TECHNOLOGICAL DISCOVERIES [NASA RELEASE-93-212] P93-10213 06

AEROSPACE SCIENCES

S SPACE SCIENCES

AEROSPACE TECHNOLOGY

NASA TO FEATURE VIDEOWALL AT PARIS AIR SHOW [NASA RELEASE-93-92] P93-10093 06

ARCHITECT OF NASA TECHNOLOGY INCUBATORS TO RECEIVE AWARD [NASA RELEASE-93-176] P93-10177 06

DIRECTOR OF AMES TECHNOLOGY COMMERCIALIZATION CENTER NAMED [NASA RELEASE-93-185] P93-10186 06

AETNA PLATING COMPANY, CLEVELAND, OHIO

LEWIS SPACE RESEARCH SPAWNS WATER PURIFICATION SYSTEM [NASA RELEASE-93-86] P93-10087 06

AFRICA

NASA HELPS PROVIDE FAMINE EARLY WARNING FOR AFRICA [NASA RELEASE-93-213] P93-10214 06

AGENZIA SPAZIALE ITALIANA

S ITALIAN SPACE AGENCY

AGREEMENTS

SA CIVIL SPACE AGREEMENT, U.S.S.R./U.S. SA INTERNATIONAL AGREEMENTS

NASA AND NATIONAL INDUSTRY RESEARCH GROUP SIGN AGREEMENT [NASA RELEASE-93-82] P93-10083 06

TDRSS C-BAND AGREEMENT RESTRUCTURED [NASA RELEASE-93-126] P93-10127 06

NASA AND GERMAN SPACE AGENCY SIGN SPACE AGREEMENT [NASA RELEASE-93-129] P93-10130 06

AIA

S AEROSPACE INDUSTRY ASSOCIATION /AIA/

AIAA

S AMERICAN INST. OF AERON. AND ASTRONAUTICS

AIR BREATHING ENGINES

S DUCTED FAN ENGINES
S F404 ENGINE
S JET ENGINES

AIR DATA SYSTEMS

NASA TESTS NEW LASER AIR DATA SYSTEM ON SR-71 BLACKBIRD [NASA RELEASE-93-163] P93-10164 06

AIR FLOW

NASA SAVES \$1 MILLION ON AERONAUTICS RESEARCH PROJECT [NASA RELEASE-93-35] P93-10036 06

AIR FORCE, U.S.

SPACE STATION REDESIGN ADVISORY MEMBERS NAMED

[NASA RELEASE-93-59] P93-10060 06
NASA F-15 BEING READIED FOR ADVANCED MANEUVERING FLIGHT [NASA RELEASE-93-115] P93-10116 06

MARS OBSERVER INVESTIGATION BOARD MEMBERS NAMED [NASA RELEASE-93-159] P93-10160 06

AIR POLLUTION

MT. PINATUBO ERUPTION CAUSES TEMPORARY COOLING OF EARTH [NASA RELEASE-93-41] P93-10042 06

NASA TO DEVELOP TECHNOLOGY FOR FUTURE HIGH-SPEED TRANSPORTS [NASA RELEASE-93-52] P93-10053 06

OZONE DESTROYING CHLORINE EXISTED LONGER IN 1992-93 WINTER [NASA RELEASE-93-68] P93-10069 06

NASA SR-71 NOW A FLYING OBSERVATORY [NASA RELEASE-93-71] P93-10072 06

NASA-RUSSIAN MISSION EXPLORES KAMCHATKAN VOLCANOES [NASA RELEASE-93-198] P93-10199 06

JPL TEAM DEVELOPS SPECIAL POLLUTION DETECTION GLASS [NASA RELEASE-93-209] P93-10210 06

NASA SCIENTISTS CREATE EARTH BREATHING IMAGE [NASA RELEASE-93-223] P93-10224 06

AIR TRAFFIC CONTROL

SA TERMINAL RADAR APPROACH CONTROL /TRACON/

NASA, FAA PROGRAM COULD SAVE AIRLINES MILLIONS OF DOLLARS [NASA RELEASE-93-127] P93-10128 06

NASA/FAA RESEARCH AIMS AT MORE EFFICIENT AIRSPACE OPERATIONS [NASA RELEASE-93-172] P93-10173 06

HST SERVICING MISSION HIGHLIGHTS 1993 NASA ACCOMPLISHMENTS [NASA RELEASE-93-226] P93-10227 06

AIR WATER INTERACTIONS

TOPEX/POSEIDON DATA CONFIRMS EL NINO PREDICTIONS [NASA RELEASE-93-205] P93-10206 06

AIRBORNE EQUIPMENT

NASA AND CALIFORNIA WINE GROWERS JOINTLY BATTLE PEST DAMAGE [NASA RELEASE-93-55] P93-10056 06

COCKPIT WEATHER SYSTEM MAY SAVE AIRLINES \$6 MILLION PER YEAR [NASA RELEASE-93-194] P93-10195 06

AIRBORNE/SPACEBORNE COMPUTERS

PORTABLE COMPUTER TO HELP ASTRONAUTS CONDUCT SCIENCE [NASA RELEASE-93-180] P93-10181 06

AIRCRAFT

S AEROSPACE PLANES
S BOEING 737 AIRCRAFT
S DC-8 AIRCRAFT
S F-15 AIRCRAFT
S F-18 AIRCRAFT
S F/A-18 AIRCRAFT
S HELICOPTERS
S HYPERSONIC AIRCRAFT
S LEAR JET AIRCRAFT
S PERSEUS RESEARCH AIRCRAFT
S REMOTELY PILOTED RESEARCH VEHICLE
S RESEARCH AIRCRAFT
S SUBSONIC AIRCRAFT
S SUPERSONIC AIRCRAFT
S SUPERSONIC TRANSPORT
S TRANSPORT AIRCRAFT

AIRCRAFT COMMUNICATIONS

COCKPIT WEATHER SYSTEM MAY SAVE AIRLINES \$6 MILLION PER YEAR [NASA RELEASE-93-194] P93-10195 06

AIRCRAFT CONFIGURATIONS

NASA TO DEVELOP TECHNOLOGY FOR FUTURE HIGH-SPEED TRANSPORTS [NASA RELEASE-93-52] P93-10053 06

SUBJECT INDEX

AIRCRAFT CONSTRUCTION MATERIALS

NASA AWARDS HIGH-SPEED AIR TRANSPORT MATERIALS STUDY CONTRACTS
[NASA RELEASE-93-124] P93-10125 06

UNIQUE CHEMICAL PROCESS COULD IMPROVE CERAMIC MATERIALS
[NASA RELEASE-93-143] P93-10144 06

NASA BOOSTS HYPERSONIC RESEARCH WITH UNIVERSITY GRANTS
[NASA RELEASE-93-152] P93-10153 06

AIRCRAFT CONTROL

NASA F-15 MAKES FIRST ENGINE-CONTROLLED TOUCHDOWN
[NASA RELEASE-93-75] P93-10076 06

NASA SYSTEM RESEARCH AIRCRAFT MAKES FIRST TEST FLIGHT
[NASA RELEASE-93-95] P93-10096 06

NASA F-15 BEING READIED FOR ADVANCED MANEUVERING FLIGHT
[NASA RELEASE-93-115] P93-10116 06

NASA BOOSTS HYPERSONIC RESEARCH WITH UNIVERSITY GRANTS
[NASA RELEASE-93-152] P93-10153 06

FLIGHT TESTS PROVE SIMPLER SATELLITE-GUIDED AUTOLAND METHOD
[NASA RELEASE-93-165] P93-10166 06

NASA FLIES FIBER OPTICS ON AIRCRAFT CONTROL SYSTEMS TEST
[NASA RELEASE-93-199] P93-10200 06

AIRCRAFT DESIGN

NASA, LEARJET JOIN TO CREATE NEW BUSINESS JET TECHNOLOGIES
[NASA RELEASE-93-46] P93-10047 06

NASA TO DEVELOP TECHNOLOGY FOR FUTURE HIGH-SPEED TRANSPORTS
[NASA RELEASE-93-52] P93-10053 06

FASTEST SUPERCOMPUTER CAN BOOST U.S. AEROSPACE INDUSTRY
[NASA RELEASE-93-80] P93-10081 06

INDUSTRY TESTS NASA COMPUTER PROGRAMS FOR EFFICIENT DESIGNING
[NASA RELEASE-93-90] P93-10091 06

TWENTY NATIONAL STUDENT WINNERS HONORED IN WASHINGTON
[NASA RELEASE-93-175] P93-10176 06

NASA STARTS PHASE II OF SUPERSONIC AIRLINER EFFORT
[NASA RELEASE-93-202] P93-10203 06

AIRCRAFT ENGINES

SA F404 ENGINE

NASA TO DEVELOP TECHNOLOGY FOR FUTURE HIGH-SPEED TRANSPORTS
[NASA RELEASE-93-52] P93-10053 06

NASA F-15 MAKES FIRST ENGINE-CONTROLLED TOUCHDOWN
[NASA RELEASE-93-75] P93-10076 06

AIRCRAFT EQUIPMENT

NASA AND CALIFORNIA WINE GROWERS JOINTLY BATTLE PEST DAMAGE
[NASA RELEASE-93-55] P93-10056 06

NASA SYSTEM RESEARCH AIRCRAFT MAKES FIRST TEST FLIGHT
[NASA RELEASE-93-95] P93-10096 06

NEW WINDSHEAR SENSORS A GOVERNMENT-INDUSTRY 'SUCCESS STORY'
[NASA RELEASE-93-170] P93-10171 06

NASA, FAA CONSIDER REVISED WINDSHEAR PILOTING PROCEDURES
[NASA RELEASE-93-171] P93-10172 06

NASA/FAA RESEARCH AIMS AT MORE EFFICIENT AIRSPACE OPERATIONS
[NASA RELEASE-93-172] P93-10173 06

NASA FLIES FIBER OPTICS ON AIRCRAFT CONTROL SYSTEMS TEST
[NASA RELEASE-93-199] P93-10200 06

AIRCRAFT ICING

NASA TESTS HELICOPTER MODEL IN ICING CONDITIONS
[NASA RELEASE-93-147] P93-10148 06

AIRCRAFT MAINTENANCE

NASA ADAPTING UNIQUE X-RAY SYSTEM TO INSPECT AIRCRAFT
[NASA RELEASE-93-137] P93-10138 06

AIRCRAFT NOISE

NASA TO DEVELOP TECHNOLOGY FOR FUTURE HIGH-SPEED TRANSPORTS
[NASA RELEASE-93-52] P93-10053 06

WORLD'S LARGEST WIND TUNNEL WILL BE WORLD'S QUIETEST
[NASA RELEASE-93-81] P93-10082 06

NASA STARTS PHASE II OF SUPERSONIC AIRLINER EFFORT
[NASA RELEASE-93-202] P93-10203 06

AIRCRAFT PERFORMANCE

NASA, LEARJET JOIN TO CREATE NEW BUSINESS JET TECHNOLOGIES
[NASA RELEASE-93-46] P93-10047 06

NASA F-15 BEING READIED FOR ADVANCED MANEUVERING FLIGHT
[NASA RELEASE-93-115] P93-10116 06

NASA TESTS HELICOPTER MODEL IN ICING CONDITIONS
[NASA RELEASE-93-147] P93-10148 06

AIRCRAFT SAFETY

NASA ADAPTING UNIQUE X-RAY SYSTEM TO INSPECT AIRCRAFT
[NASA RELEASE-93-137] P93-10138 06

NEW WINDSHEAR SENSORS A GOVERNMENT-INDUSTRY 'SUCCESS STORY'
[NASA RELEASE-93-170] P93-10171 06

NASA/FAA RESEARCH AIMS AT MORE EFFICIENT AIRSPACE OPERATIONS
[NASA RELEASE-93-172] P93-10173 06

AIRCRAFT TESTS

NASA SYSTEM RESEARCH AIRCRAFT MAKES FIRST TEST FLIGHT
[NASA RELEASE-93-95] P93-10096 06

AIRCRAFT WINGS

NASA STARTS PHASE II OF SUPERSONIC AIRLINER EFFORT
[NASA RELEASE-93-202] P93-10203 06

AIRFOILS

SA AIRCRAFT WINGS
SA SWEEP WINGS

NASA, LEARJET JOIN TO CREATE NEW BUSINESS JET TECHNOLOGIES
[NASA RELEASE-93-46] P93-10047 06

AIRFRAMES

NASA TO DEVELOP TECHNOLOGY FOR FUTURE HIGH-SPEED TRANSPORTS
[NASA RELEASE-93-52] P93-10053 06

NASA STARTS PHASE II OF SUPERSONIC AIRLINER EFFORT
[NASA RELEASE-93-202] P93-10203 06

AIRLINE OPERATIONS

NASA, FAA PROGRAM COULD SAVE AIRLINES MILLIONS OF DOLLARS
[NASA RELEASE-93-127] P93-10128 06

NASA/FAA RESEARCH AIMS AT MORE EFFICIENT AIRSPACE OPERATIONS
[NASA RELEASE-93-172] P93-10173 06

COCKPIT WEATHER SYSTEM MAY SAVE AIRLINES \$6 MILLION PER YEAR
[NASA RELEASE-93-194] P93-10195 06

AJT AND ASSOCIATES, INC., FL

MINORITY CONTRACTORS OF THE YEAR AWARDS ANNOUNCED
[NASA RELEASE-93-177] P93-10178 06

ALABAMA A. AND M. UNIV.

MINORITY STUDENTS APPRENTICE ON SPACE RESEARCH
[NASA RELEASE-93-116] P93-10117 06

ALABAMA UNIV.

ANTARCTIC TO BECOME LABORATORY FOR FUTURE MARS MISSIONS
[NASA RELEASE-93-178] P93-10179 06

ALABAMA UNIV., HUNTSVILLE

CONSORT 6 LAUNCH DATE SET
[NASA RELEASE-93-22] P93-10023 06

ALARMS

S WARNING SYSTEMS

AMERICAN ASTRONOMICAL SOCIETY

ALASKA

DANTE ROBOT TO EXPLORE ACTIVE ALASKA VOLCANO IN SPRING
[NASA RELEASE-93-195] P93-10196 06

ALASKA UNIV.

NASA RESEARCHERS RECORD UNUSUAL FLASHES IN UPPER ATMOSPHERE
[NASA RELEASE-93-167] P93-10168 06

DANTE ROBOT TO EXPLORE ACTIVE ALASKA VOLCANO IN SPRING
[NASA RELEASE-93-195] P93-10196 06

ALASKAN VOLCANO OBSERVATORY /AVO/

DANTE ROBOT TO EXPLORE ACTIVE ALASKA VOLCANO IN SPRING
[NASA RELEASE-93-195] P93-10196 06

ALLIED SIGNAL, INC.

SPACE STATION REDESIGN ADVISORY MEMBERS NAMED
[NASA RELEASE-93-59] P93-10060 06

NEW WINDSHEAR SENSORS A GOVERNMENT-INDUSTRY 'SUCCESS STORY'
[NASA RELEASE-93-170] P93-10171 06

ALLOYS

S ALUMINUM ALLOYS
S TITANIUM ALLOYS

ALT

S APPROACH AND LANDING TESTS

ALTITUDE

S FLIGHT ALTITUDE

ALUMINUM

GAMMA-RAY OBSERVATORY PRODUCES THREE MAJOR DISCOVERIES
[NASA RELEASE-93-182] P93-10183 06

ALUMINUM ALLOYS

NASA AWARDS HIGH-SPEED AIR TRANSPORT MATERIALS STUDY CONTRACTS
[NASA RELEASE-93-124] P93-10125 06

AMAZON BASIN, BRAZIL

NASA STUDY REFINES ESTIMATES OF AMAZON DEFORESTATION
[NASA RELEASE-93-119] P93-10120 06

AMERICA WEST AIRLINES

COCKPIT WEATHER SYSTEM MAY SAVE AIRLINES \$6 MILLION PER YEAR
[NASA RELEASE-93-194] P93-10195 06

AMERICAN AIRLINES, INC.

NASA, FAA CONSIDER REVISED WINDSHEAR PILOTING PROCEDURES
[NASA RELEASE-93-171] P93-10172 06

AMERICAN ASSOC. FOR THE ADVAN. OF SCI.

AAAS TO HONOR NASA SCIENTIST FOR OZONE RESEARCH
[NASA RELEASE-93-26] P93-10027 06

AMERICAN ASSOCIATION OF RAILROADS

NITROGEN ICE DISCOVERED ON PLUTO
[NASA RELEASE-93-142] P93-10143 06

AMERICAN ASTRONAUTICAL SOCIETY

REMARKS BY NASA ADMINISTRATOR DANIEL S. GOLDIN TO THE AMERICAN ASTRONAUTICAL SOCIETY - GODDARD MEMORIAL SYMPOSIUM: REDESIGN OF THE SPACE STATION; HYATT REGENCY HOTEL, CRYSTAL CITY, ARLINGTON, VIRGINIA
P93-10232 05

AMERICAN ASTRONOMICAL SOCIETY

BIG BANG THEORY PASSES TOUGHEST TEST
[NASA RELEASE-93-5] P93-10006 06

NEW DISCOVERIES BY NASA'S EUV EXPLORER PRESENTED
[NASA RELEASE-93-105] P93-10106 06

NASA USES NEW METHOD TO DETECT NEW STARS AND PLANETS
[NASA RELEASE-93-106] P93-10107 06

EVIDENCE FOR SOLID WATER FOUND ON JUPITER'S MOON IO
[NASA RELEASE-93-107] P93-10108 06

HUBBLE CLOSING IN ON AGE OF THE UNIVERSE
[NASA RELEASE-93-108] P93-10109 06

HUBBLE INVESTIGATES COMET ON A COLLISION COURSE WITH JUPITER
[NASA RELEASE-93-188] P93-10189 06

GALILEO DETECTS MAGNETIC FIELD AROUND
ASTEROID IDA
[NASA RELEASE-93-193] P93-10194 06

AMERICAN BIO-TECHNOLOGIES, INC., MASS.

NASA JOINS FORCES WITH INDUSTRY IN AIDS
RESEARCH
[NASA RELEASE-93-88] P93-10089 06

AMERICAN GEOPHYSICAL UNION CONFERENCE

SCIENTISTS LOCATE NEW RADIATION BELT
AROUND EARTH
[NASA RELEASE-93-94] P93-10095 06

AMERICAN INST. OF AERON. AND ASTRONAUTICS

AIAA LUNCHEON: CRYSTAL CITY HYATT REGENCY
HOTEL, CRYSTAL CITY, VIRGINIA P93-10235 05

ADDRESS TO THE AIAA P93-10240 05

AMERICAN INST. OF BIOLOGICAL SCIENCES

NASA SELECTS CENTER FOR LIFE SCIENCES
RESEARCH
[NASA RELEASE-93-40] P93-10041 06

AMES RESEARCH CENTER, MOFFETT FIELD, CA.

SA NATIONAL FULL-SCALE AERODYNAMIC
COMPLEX

NASA INVENTION YIELDS BETTER, FASTER STRESS
MEASUREMENTS
[NASA RELEASE-93-2] P93-10002 06

NASA SCIENTISTS SOLVE LONG-STANDING
STELLAR MYSTERY
[NASA RELEASE-93-25] P93-10026 06

NASA STUDY MAY HELP REDUCE
LIGHTEADEDNESS AFTER SPACE FLIGHT
[NASA RELEASE-93-30] P93-10031 06

NASA FUNDS EXPERIMENT TO HELP
COMMERCIALIZE TECHNOLOGY
[NASA RELEASE-93-37] P93-10038 06

NASA, LEARJET JOIN TO CREATE NEW BUSINESS
JET TECHNOLOGIES
[NASA RELEASE-93-46] P93-10047 06

NASA/OHIO AEROSPACE INSTITUTE TO HOST
CYBERSPACE CONFERENCE
[NASA RELEASE-93-50] P93-10051 06

EVIDENCE POINTS TO OCEANS, LIGHTNING ON
EARLY VENUS
[NASA RELEASE-93-51] P93-10052 06

NASA TO DEVELOP TECHNOLOGY FOR FUTURE
HIGH-SPEED TRANSPORTS
[NASA RELEASE-93-52] P93-10053 06

NASA AND CALIFORNIA WINE GROWERS JOINTLY
BATTLE PEST DAMAGE
[NASA RELEASE-93-55] P93-10056 06

DIAMONDS IN THE SKY CHALLENGE GALAXY
EVOLUTION THEORIES
[NASA RELEASE-93-58] P93-10059 06

NASA SPACE SUIT AND MEDICAL TECHNOLOGIES
HONORED
[NASA RELEASE-93-69] P93-10070 06

NASA SR-71 NOW A FLYING OBSERVATORY
[NASA RELEASE-93-71] P93-10072 06

NASA F-15 MAKES FIRST ENGINE-CONTROLLED
TOUCHDOWN
[NASA RELEASE-93-75] P93-10076 06

FASTEST SUPERCOMPUTER CAN BOOST U.S.
AEROSPACE INDUSTRY
[NASA RELEASE-93-80] P93-10081 06

NASA AMES TO DRIVE RUSSIAN ROBOT VIA
SATELLITE
[NASA RELEASE-93-84] P93-10085 06

METABOLIC SPACEWALK STUDIES SUBJECT OF
AMES RESEARCH
[NASA RELEASE-93-93] P93-10094 06

NASA SYSTEM RESEARCH AIRCRAFT MAKES FIRST
TEST FLIGHT
[NASA RELEASE-93-95] P93-10096 06

SHUTTLE TILE MATERIAL MAY HELP IN BONE
TRANSPLANTS
[NASA RELEASE-93-102] P93-10103 06

EVIDENCE FOR SOLID WATER FOUND ON
JUPITER'S MOON IO
[NASA RELEASE-93-107] P93-10108 06

PIONEER CELEBRATES 10 YEARS BEYOND THE
KNOWN SOLAR PLANETS
[NASA RELEASE-93-110] P93-10111 06

NASA F-15 BEING READIED FOR ADVANCED
MANEUVERING FLIGHT
[NASA RELEASE-93-115] P93-10116 06

NASA, FAA PROGRAM COULD SAVE AIRLINES
MILLIONS OF DOLLARS
[NASA RELEASE-93-127] P93-10128 06

NITROGEN ICE DISCOVERED ON PLUTO
[NASA RELEASE-93-142] P93-10143 06

NASA TESTS NEW LASER AIR DATA SYSTEM ON
SR-71 BLACKBIRD
[NASA RELEASE-93-163] P93-10164 06

NASA RESEARCHERS RECORD UNUSUAL FLASHES
IN UPPER ATMOSPHERE
[NASA RELEASE-93-167] P93-10168 06

SHUTTLE MISSION TO CONDUCT SCIENTIFIC
FIRST
[NASA RELEASE-93-173] P93-10174 06

TWENTY NATIONAL STUDENT WINNERS HONORED
IN WASHINGTON
[NASA RELEASE-93-175] P93-10176 06

ARCHITECT OF NASA TECHNOLOGY INCUBATORS
TO RECEIVE AWARD
[NASA RELEASE-93-176] P93-10177 06

ANTARCTIC TO BECOME LABORATORY FOR
FUTURE MARS MISSIONS
[NASA RELEASE-93-178] P93-10179 06

PORTABLE COMPUTER TO HELP ASTRONAUTS
CONDUCT SCIENCE
[NASA RELEASE-93-180] P93-10181 06

SHUTTLE RAT EXPERIMENT YIELDS UNEXPECTED
RESULTS
[NASA RELEASE-93-181] P93-10182 06

DIRECTOR OF AMES TECHNOLOGY
COMMERCIALIZATION CENTER NAMED
[NASA RELEASE-93-185] P93-10186 06

FROZEN MOLECULAR HYDROGEN DISCOVERED IN
STELLAR NURSERY
[NASA RELEASE-93-187] P93-10188 06

U.S./RUSSIAN SPACE AGENCIES HOOKING
SCIENCE NETWORKS
[NASA RELEASE-93-196] P93-10197 06

NASA FLIES FIBER OPTICS ON AIRCRAFT CONTROL
SYSTEMS TEST
[NASA RELEASE-93-199] P93-10200 06

NASA TAPS 20 SCHOOLS FOR AERONAUTICS
ENGINEERING GRANTS
[NASA RELEASE-93-210] P93-10211 06

TECHNOLOGY 2003 TO HIGHLIGHT NEW
TECHNOLOGICAL DISCOVERIES
[NASA RELEASE-93-212] P93-10213 06

NASA SCIENTISTS CREATE EARTH BREATHING
IMAGE
[NASA RELEASE-93-223] P93-10224 06

PERSEUS RESEARCH AIRCRAFT MAKES FIRST
TEST FLIGHT
[NASA RELEASE-93-227] P93-10228 06

ANDROMEDA NEBULA

HUBBLE FINDS A DOUBLE NUCLEUS IN THE
ANDROMEDA GALAXY
[NASA RELEASE-93-133] P93-10134 06

ANSER ANALYTIC SERVICES, INC.

SPACE STATION REDESIGN ADVISORY MEMBERS
NAMED
[NASA RELEASE-93-59] P93-10060 06

ANTARCTIC

S ANTARCTICA

ANTARCTIC SPACE ANALOG PROGRAM

ANTARCTIC TO BECOME LABORATORY FOR
FUTURE MARS MISSIONS
[NASA RELEASE-93-178] P93-10179 06

ANTARCTICA

1992 ANTARCTIC OZONE DEPLETION AS SEVERE
AS ANY PREVIOUS YEAR
[NASA RELEASE-93-13] P93-10014 06

NASA/OHIO AEROSPACE INSTITUTE TO HOST
CYBERSPACE CONFERENCE
[NASA RELEASE-93-50] P93-10051 06

ANTARCTIC TO BECOME LABORATORY FOR
FUTURE MARS MISSIONS
[NASA RELEASE-93-178] P93-10179 06

1993 ANTARCTIC OZONE HOLE REACHES RECORD
LOWS
[NASA RELEASE-93-190] P93-10191 06

APPLICATIONS SATELLITES

S NAVIGATION SATELLITES

APPLIED PHYSICS LAB., LAUREL, MD.

NASA BEGINS DEVELOPMENT OF FIRST
ASTEROID-ORBITING MISSION
[NASA RELEASE-93-220] P93-10221 06

APPLIED PHYSICS LABORATORY

NASA SELECTS 11 DISCOVERY MISSION CONCEPTS
FOR STUDY
[NASA RELEASE-93-27] P93-10028 06

VOYAGER SPACECRAFT FIND CLUE TO ANOTHER
SOLAR SYSTEM MYSTERY
[NASA RELEASE-93-99] P93-10100 06

NASA SELECTS UPPER ATMOSPHERE
INVESTIGATORS
[NASA RELEASE-93-123] P93-10124 06

NASA NAMES TEAM TO STUDY RETURN TRIP TO
MARS
[NASA RELEASE-93-157] P93-10158 06

APPLIED RESEARCH CORP., LANDOVER, MD.

NASA AWARDS CONTRACT FOR EOSDIS CORE
SYSTEM
[NASA RELEASE-93-56] P93-10057 06

APPROACH AND LANDING TESTS

FLIGHT TESTS PROVE SIMPLER SATELLITE-GUIDED
AUTOLAND METHOD
[NASA RELEASE-93-165] P93-10166 06

APPROPRIATIONS AND BUDGETS

SA FUNDING

NASA BUDGET BOOSTS TECHNOLOGY, PROMISES
IMPROVED SPACE STATION PROGRAM
[NASA RELEASE-93-32] P93-10033 06

NASA AND THE RUSSIAN SPACE AGENCY SIGN
MARS '94 CONTRACT
[NASA RELEASE-93-62] P93-10063 06

GIBBONS OUTLINES SPACE STATION REDESIGN
GUIDANCE
[NASA RELEASE-93-64] P93-10065 06

STATION REDESIGN TEAM TO SUBMIT FINAL
REPORT
[NASA RELEASE-93-104] P93-10105 06

NASA LIMITS EXPENDITURES ON THE ASRM
PROGRAM
[NASA RELEASE-93-189] P93-10190 06

TRANSCRIPT: REMARKS BY DANIEL S. GOLDIN ON
NASA TELEVISION P93-10230 05

REMARKS BY NASA ADMINISTRATOR DAN GOLDIN
BEFORE THE JPL HIGH-TECH SMALL BUSINESS
DEVELOPMENT PROCUREMENT CONFERENCE, LOS
ANGELES, CALIFORNIA P93-10231 05

REMARKS BY NASA ADMINISTRATOR DANIEL S.
GOLDIN TO THE AMERICAN ASTRONAUTICAL
SOCIETY - GODDARD MEMORIAL SYMPOSIUM:
REDESIGN OF THE SPACE STATION; HYATT REGENCY
HOTEL, CRYSTAL CITY, ARLINGTON, VIRGINIA
P93-10232 05

NASA PRESS CONFERENCE: SPACE STATION
REDESIGN; NASA HEADQUARTERS BUILDING,
WASHINGTON, DC P93-10233 05

NASA BUDGET BRIEFING; NASA HEADQUARTERS,
WASHINGTON, DC P93-10234 05

AIAA LUNCHEON; CRYSTAL CITY HYATT REGENCY
HOTEL, CRYSTAL CITY, VIRGINIA P93-10235 05

THE REDESIGN OF THE SPACE STATION:
GRAPPLING WITH THE CHALLENGE TO CHANGE
P93-10237 05

ADDRESS TO THE AIAA P93-10240 05

REMARKS BY NASA ADMINISTRATOR DAN GOLDIN
TO THE AEROSPACE INDUSTRY ASSOCIATION (AIA):
LITCHFIELD PARK, ARIZONA P93-10243 05

INTERVIEW WITH MATT BATES, INTERNATIONAL
AEROSPACE MACHINISTS UNION; ACR
HEADQUARTERS, WASHINGTON, DC P93-10245 05

REMARKS GIVEN TO JOHN LOGSTONE SPACE
POLICY CLASS; GEORGE WASHINGTON UNIVERSITY
P93-10248 05

APPROPRIATIONS COMMITTEE, U.S. HOUSE

NASA LIMITS EXPENDITURES ON THE ASRM
PROGRAM
[NASA RELEASE-93-189] P93-10190 06

| | | |
|---|--|--------------|
| ARC | S AMES RESEARCH CENTER, MOFFETT FIELD, CA. | |
| | | |
| ARCHAEOLOGY | NASA AND CENTRAL AMERICA WILL EXPAND RAIN FOREST STUDIES | |
| | [NASA RELEASE-93-47] | P93-10048 06 |
| ARCTIC | OZONE DESTROYING CHLORINE EXISTED LONGER IN 1992-93 WINTER | |
| | [NASA RELEASE-93-68] | P93-10069 06 |
| ARGONNE NATIONAL LAB., ILL. | INDUSTRY TESTS NASA COMPUTER PROGRAMS FOR EFFICIENT DESIGNING | |
| | [NASA RELEASE-93-90] | P93-10091 06 |
| ARIZONA STATE UNIV., TEMPE | MYSTERIOUS CONCENTRATION OF DARK MATTER DISCOVERED | |
| | [NASA RELEASE-93-1] | P93-10001 06 |
| ARIZONA UNIV., TUCSON | HUBBLE CLOSING IN ON AGE OF THE UNIVERSE | |
| | [NASA RELEASE-93-108] | P93-10109 06 |
| | NASA NAMES IMAGING PRINCIPAL INVESTIGATOR FOR MESUR PATHFINDER | |
| | [NASA RELEASE-93-146] | P93-10147 06 |
| | NASA NAMES TEAM TO STUDY RETURN TRIP TO MARS | |
| | [NASA RELEASE-93-157] | P93-10158 06 |
| ARKANSAS | ARKANSAS, NASA SIGN TECHNOLOGY TRANSFER ACCORD | |
| | [NASA RELEASE-93-138] | P93-10139 06 |
| ARNAV SYSTEMS, INC., PUYALLUP, WA | COCKPIT WEATHER SYSTEM MAY SAVE AIRLINES \$6 MILLION PER YEAR | |
| | [NASA RELEASE-93-194] | P93-10195 06 |
| ARPA | S ADVANCED RESEARCH PROJECTS AGENCY | |
| | | |
| ART | TWENTY NATIONAL STUDENT WINNERS HONORED IN WASHINGTON | |
| | [NASA RELEASE-93-175] | P93-10176 06 |
| ARTIFICIAL INTELLIGENCE | SA EXPERT SYSTEMS | |
| | PORTABLE COMPUTER TO HELP ASTRONAUTS CONDUCT SCIENCE | |
| | [NASA RELEASE-93-180] | P93-10181 06 |
| ASRM | S ADVANCED SOLID ROCKET MOTOR /SHUTTLE/ | |
| | | |
| ASSURED CREW RETURN CAPABILITY | STATION REDESIGN TEAM TO SUBMIT FINAL REPORT | |
| | [NASA RELEASE-93-104] | P93-10105 06 |
| ASTEROIDS | EARTH'S ROTATION RATE MAY BE DUE TO EARLY COLLISIONS | |
| | [NASA RELEASE-93-12] | P93-10013 06 |
| | CLEMENTINE MISSION SCIENCE TEAM SELECTED | |
| | [NASA RELEASE-93-66] | P93-10067 06 |
| | HEADING FOR JUPITER, GALILEO TO ENCOUNTER ITS SECOND ASTEROID | |
| | [NASA RELEASE-93-149] | P93-10150 06 |
| | GALILEO DETECTS MAGNETIC FIELD AROUND ASTEROID IDA | |
| | [NASA RELEASE-93-193] | P93-10194 06 |
| | NASA BEGINS DEVELOPMENT OF FIRST ASTEROID-ORBITING MISSION | |
| | [NASA RELEASE-93-220] | P93-10221 06 |
| ASTRO MISSIONS | NASA AND GERMAN SPACE AGENCY SIGN SPACE AGREEMENT | |
| | [NASA RELEASE-93-129] | P93-10130 06 |
| | PAYLOAD COMMANDERS NAMED FOR FUTURE SHUTTLE MISSIONS | |
| | [NASA RELEASE-93-140] | P93-10141 06 |
| ASTRO-C SATELLITE | S GINGA SATELLITE | |
| | | |
| ASTRO-D (JAPANESE SATELLITE) | ASTRO-D MISSION TO LAUNCH TONIGHT IN JAPAN | |
| | [NASA RELEASE-93-28] | P93-10029 06 |
| ASTRONAUT PERFORMANCE | SPACEWALK ADDED TO JULY SPACE SHUTTLE FLIGHT | |
| | [NASA RELEASE-93-21] | P93-10022 06 |
| ASTRONAUT SCIENCE ADVISOR /COMPUTER/ | PORTABLE COMPUTER TO HELP ASTRONAUTS CONDUCT SCIENCE | |
| | [NASA RELEASE-93-180] | P93-10181 06 |
| ASTRONAUT TRAINING | PRIME AND BACKUP COSMONAUTS NAMED FOR SHUTTLE STS-60 MISSION | |
| | [NASA RELEASE-93-61] | P93-10062 06 |
| ASTRONAUTICS | AIAA LUNCHEON; CRYSTAL CITY HYATT REGENCY HOTEL, CRYSTAL CITY, VIRGINIA | |
| | P93-10235 05 | |
| | REMARKS BY NASA ADMINISTRATOR DAN GOLDIN TO THE AEROSPACE INDUSTRY ASSOCIATION (AIA); LITCHFIELD PARK, ARIZONA | |
| | P93-10243 05 | |
| ASTRONAUTS | SA ASTRONAUT PERFORMANCE | |
| | FIRST 1993 SHUTTLE MISSION DEMONSTRATES UNIQUE CAPABILITIES | |
| | [NASA RELEASE-93-4] | P93-10004 06 |
| | SPACE SHUTTLE MISSION: STS-54 | |
| | [NASA RELEASE-93-4A] | P93-10005 06 |
| | STAFFORD RECEIVES CONGRESSIONAL SPACE MEDAL OF HONOR | |
| | [NASA RELEASE-93-14] | P93-10015 06 |
| | SECOND GERMAN SPACELAB MISSION IS SPACE SHUTTLE'S 54TH FLIGHT | |
| | [NASA RELEASE-93-20] | P93-10021 06 |
| | STS-56 MISSION CONTINUES NASA'S MISSION TO PLANET EARTH | |
| | [NASA RELEASE-93-34] | P93-10035 06 |
| | STS-62 AND STS-59 SPACE SHUTTLE CREW ASSIGNMENTS ANNOUNCED | |
| | [NASA RELEASE-93-42] | P93-10043 06 |
| | ASTRONAUT JEMISON TO LEAVE NASA | |
| | [NASA RELEASE-93-43] | P93-10044 06 |
| | PRIME AND BACKUP COSMONAUTS NAMED FOR SHUTTLE STS-60 MISSION | |
| | [NASA RELEASE-93-61] | P93-10062 06 |
| | FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57 SHUTTLE MISSION | |
| | [NASA RELEASE-93-78] | P93-10079 06 |
| | BIENNIAL ASTRONAUT RECRUITING BEGINS | |
| | [NASA RELEASE-93-101] | P93-10102 06 |
| | ASTRONAUT BLUFORD LEAVES NASA | |
| | [NASA RELEASE-93-113] | P93-10114 06 |
| | ASTRONAUT MARK BROWN TO JOIN GENERAL RESEARCH CORP. | |
| | [NASA RELEASE-93-114] | P93-10115 06 |
| | TWO ASTRONAUTS APPOINTED TO HEADQUARTERS POSITIONS | |
| | [NASA RELEASE-93-120] | P93-10121 06 |
| | ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION | |
| | [NASA RELEASE-93-121] | P93-10122 06 |
| | STS-58 SECOND SPACELAB MISSION DEDICATED TO LIFE SCIENCES | |
| | P93-10136 06 | |
| | ASTRONAUT BAGIAN TAKES LEAVE OF ABSENCE | |
| | [NASA RELEASE-93-139] | P93-10140 06 |
| | PAYLOAD COMMANDERS NAMED FOR FUTURE SHUTTLE MISSIONS | |
| | [NASA RELEASE-93-140] | P93-10141 06 |
| | CREW MEMBERS SELECTED FOR STS-63 SHUTTLE SPACEHAB-3 FLIGHT | |
| | [NASA RELEASE-93-161] | P93-10162 06 |
| | SHUTTLE MISSION TO CONDUCT SCIENTIFIC FIRST | |
| | [NASA RELEASE-93-173] | P93-10174 06 |
| | FIVE SPACEWALKS TO SERVICE HUBBLE SPACE TELESCOPE HIGHLIGHTS SHUTTLE MISSION STS-61 | |
| | [NASA RELEASE-93-204] | P93-10205 06 |
| ASTRONOMICAL CATALOGS | COMPUTER PROGRAM WILL CATALOG ASTRONOMICAL SKY SURVEY | |
| | [NASA RELEASE-93-67] | P93-10068 06 |
| ASTRONOMICAL INSTITUTE /RUSSIA/ | U.S./RUSSIAN SPACE AGENCIES HOOKING SCIENCE NETWORKS | |
| | [NASA RELEASE-93-196] | P93-10197 06 |
| ASTRONOMICAL MODELS | NASA SATELLITE DATA SHAKE THEORIES ON GAMMA-RAY BURSTS | |
| | [NASA RELEASE-93-72] | P93-10073 06 |
| ASTRONOMICAL SPECTROSCOPY | NASA SCIENTISTS SOLVE LONG-STANDING STELLAR MYSTERY | |
| | [NASA RELEASE-93-25] | P93-10026 06 |
| | ASTRO-D MISSION TO LAUNCH TONIGHT IN JAPAN | |
| | [NASA RELEASE-93-28] | P93-10029 06 |
| | HUBBLE IDENTIFIES A SOURCE OF MYSTERIOUS X-RAY BURSTS | |
| | [NASA RELEASE-93-156] | P93-10157 06 |
| | SATELLITE DATA GET NEW LEASE ON LIFE FROM SOFTWARE BOOST | |
| | [NASA RELEASE-93-164] | P93-10165 06 |
| | HUBBLE SEES GAS SHELL AROUND NOVA CYGNI 1992 | |
| | [NASA RELEASE-93-174] | P93-10175 06 |
| | GAMMA-RAY OBSERVATORY PRODUCES THREE MAJOR DISCOVERIES | |
| | [NASA RELEASE-93-182] | P93-10183 06 |
| ASTRONOMY | SA GAMMA RAY ASTRONOMY | |
| | SA INFRARED ASTRONOMY | |
| | SA MICROWAVE ASTRONOMY | |
| | SA RADIO ASTRONOMY | |
| | SA ULTRAVIOLET ASTRONOMY | |
| | SA X-RAY ASTRONOMY | |
| | HUBBLE DISCOVERS A DOUBLE NUCLEUS IN CORE OF ACTIVE GALAXY | |
| | [NASA RELEASE-93-6] | P93-10007 06 |
| | NASA SCIENTISTS SOLVE LONG-STANDING STELLAR MYSTERY | |
| | [NASA RELEASE-93-25] | P93-10026 06 |
| | SCIENTISTS REVEAL NATURE OF EXPLODING, RED SUPERGIANT STAR | |
| | [NASA RELEASE-93-63] | P93-10064 06 |
| | NASA EDUCATION TELECASTS SCHEDULED FOR 1993-94 SCHOOL YEAR | |
| | [NASA RELEASE-93-150] | P93-10151 06 |
| ASTROPHYSICS | SA SOLAR PHYSICS | |
| | ASTROPHYSICIST NAMED 1992 NASA INVENTOR OF THE YEAR | |
| | [NASA RELEASE-93-24] | P93-10025 06 |
| | ASTRO-D MISSION TO LAUNCH TONIGHT IN JAPAN | |
| | [NASA RELEASE-93-28] | P93-10029 06 |
| | THREE SPACECRAFT TO CONDUCT 3-WEEK GRAVITATIONAL WAVE SEARCH | |
| | [NASA RELEASE-93-48] | P93-10049 06 |
| | VOYAGER SPACECRAFT FIND CLUE TO ANOTHER SOLAR SYSTEM MYSTERY | |
| | [NASA RELEASE-93-99] | P93-10100 06 |
| | NASA SELECTS UPPER ATMOSPHERE INVESTIGATORS | |
| | [NASA RELEASE-93-123] | P93-10124 06 |
| | NASA SELECTS SECOND SET OF SMALL EXPLORER MISSIONS | |
| | [NASA RELEASE-93-168] | P93-10169 06 |
| | U.S./RUSSIAN SPACE AGENCIES HOOKING SCIENCE NETWORKS | |
| | [NASA RELEASE-93-196] | P93-10197 06 |
| ATLANTIC OCEAN | TOPEX POSEIDON MAPS PRECISE GLOBAL SEA LEVEL | |
| | [NASA RELEASE-93-122] | P93-10123 06 |
| ATLANTIS | STS-62 AND STS-59 SPACE SHUTTLE CREW ASSIGNMENTS ANNOUNCED | |
| | [NASA RELEASE-93-42] | P93-10043 06 |
| ATLAS MISSIONS | S ATLAS-2 MISSION | |
| | S ATLAS-3 MISSION | |

ATLAS-2 MISSION

STS-56 MISSION CONTINUES NASA'S MISSION TO
PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06

1992-93 GLOBAL OZONE LEVELS LOWER THAN ANY
PREVIOUS YEAR
[NASA RELEASE-93-74] P93-10075 06

SHUTTLE OZONE DATA RETRIEVED FROM ATMOS
RECORDER
[NASA RELEASE-93-118] P93-10119 06

ATLAS-3 MISSION

NASA AND GERMAN SPACE AGENCY SIGN SPACE
AGREEMENT
[NASA RELEASE-93-129] P93-10130 06

PAYLOAD COMMANDERS NAMED FOR FUTURE
SHUTTLE MISSIONS
[NASA RELEASE-93-140] P93-10141 06

ATMOSPHERE

S IONOSPHERE
S MESOSPHERE
S PLUTO ATMOSPHERE
S STRATOSPHERE
S THERMOSPHERE

ATMOSPHERIC CHEMISTRY

EVIDENCE POINTS TO OCEANS, LIGHTNING ON
EARLY VENUS
[NASA RELEASE-93-51] P93-10052 06

OZONE DESTROYING CHLORINE EXISTED LONGER
IN 1992-93 WINTER
[NASA RELEASE-93-68] P93-10069 06

SHUTTLE OZONE DATA RETRIEVED FROM ATMOS
RECORDER
[NASA RELEASE-93-118] P93-10119 06

NASA RESEARCHERS RECORD UNUSUAL FLASHES
IN UPPER ATMOSPHERE
[NASA RELEASE-93-167] P93-10168 06

ATMOSPHERIC CIRCULATION

SHUTTLE OZONE DATA RETRIEVED FROM ATMOS
RECORDER
[NASA RELEASE-93-118] P93-10119 06

ATMOSPHERIC COMPOSITION

OZONE DESTROYING CHLORINE EXISTED LONGER
IN 1992-93 WINTER
[NASA RELEASE-93-68] P93-10069 06

1992-93 GLOBAL OZONE LEVELS LOWER THAN ANY
PREVIOUS YEAR
[NASA RELEASE-93-74] P93-10075 06

SHUTTLE OZONE DATA RETRIEVED FROM ATMOS
RECORDER
[NASA RELEASE-93-118] P93-10119 06

NASA STUDY REFINES ESTIMATES OF AMAZON
DEFORESTATION
[NASA RELEASE-93-119] P93-10120 06

NASA AND GERMAN SPACE AGENCY SIGN SPACE
AGREEMENT
[NASA RELEASE-93-129] P93-10130 06

NITROGEN ICE DISCOVERED ON PLUTO
[NASA RELEASE-93-142] P93-10143 06

1993 ANTARCTIC OZONE HOLE REACHES RECORD
LOWS
[NASA RELEASE-93-190] P93-10191 06

NASA SCIENTISTS CREATE EARTH BREATHING
IMAGE
[NASA RELEASE-93-223] P93-10224 06

ATMOSPHERIC EFFECTS

NASA RESEARCHERS RECORD UNUSUAL FLASHES
IN UPPER ATMOSPHERE
[NASA RELEASE-93-167] P93-10168 06

ATMOSPHERIC MODELS

NASA SCIENTISTS CREATE EARTH BREATHING
IMAGE
[NASA RELEASE-93-223] P93-10224 06

ATMOSPHERIC PHYSICS

NASA SELECTS UPPER ATMOSPHERE
INVESTIGATORS
[NASA RELEASE-93-123] P93-10124 06

NASA RESEARCHERS RECORD UNUSUAL FLASHES
IN UPPER ATMOSPHERE
[NASA RELEASE-93-167] P93-10168 06

ATMOSPHERIC SOUNDING

UNIVERSITIES FLY OZONE RESEARCH BALLOON
FROM TEXAS TO FLA.
[NASA RELEASE-93-8] P93-10009 06

NASA SELECTS UPPER ATMOSPHERE
INVESTIGATORS
[NASA RELEASE-93-123] P93-10124 06

NASA AND GERMAN SPACE AGENCY SIGN SPACE
AGREEMENT
[NASA RELEASE-93-129] P93-10130 06

1993 ANTARCTIC OZONE HOLE REACHES RECORD
LOWS
[NASA RELEASE-93-190] P93-10191 06

PERSEUS RESEARCH AIRCRAFT MAKES FIRST
TEST FLIGHT
[NASA RELEASE-93-227] P93-10228 06

ATMOSPHERIC TRACE MOLECULE SPECTR. EXPER.

SHUTTLE OZONE DATA RETRIEVED FROM ATMOS
RECORDER
[NASA RELEASE-93-118] P93-10119 06

ATTITUDE CONTROL SYSTEMS

SA SATELLITE ATTITUDE CONTROL

COMPTON GAMMA-RAY OBSERVATORY TO GET
ORBIT BOOST
[NASA RELEASE-93-179] P93-10180 06

NASA SUCCEEDS WITH GAMMA-RAY
OBSERVATORY REBOOST
[NASA RELEASE-93-224] P93-10225 06

ATTITUDE INDICATORS

NASA TESTS NEW LASER AIR DATA SYSTEM ON
SR-71 BLACKBIRD
[NASA RELEASE-93-163] P93-10164 06

AUDIO-VISUAL MATERIALS

S TELEVISION

AURORA FLIGHT SCIENCES CORP., VA.

PERSEUS RESEARCH AIRCRAFT MAKES FIRST
TEST FLIGHT
[NASA RELEASE-93-227] P93-10228 06

AURORAS

NASA SR-71 NOW A FLYING OBSERVATORY
[NASA RELEASE-93-71] P93-10072 06

AUTOMATIC CONTROL

NASA F-15 MAKES FIRST ENGINE-CONTROLLED
TOUCHDOWN
[NASA RELEASE-93-75] P93-10076 06

NASA, FAA PROGRAM COULD SAVE AIRLINES
MILLIONS OF DOLLARS
[NASA RELEASE-93-127] P93-10128 06

NASA/FAA RESEARCH AIMS AT MORE EFFICIENT
AIRSPACE OPERATIONS
[NASA RELEASE-93-172] P93-10173 06

AUTOMATIC LANDING CONTROL

FLIGHT TESTS PROVE SIMPLER SATELLITE-GUIDED
AUTOLAND METHOD
[NASA RELEASE-93-165] P93-10166 06

AUTOMATION

NASA MODIFIES FUNDING SUPPORT FOR CENTERS
FOR COMMERCIAL DEVELOPMENT
[NASA RELEASE-93-225] P93-10226 06

AVIONICS

FLIGHT TESTS PROVE SIMPLER SATELLITE-GUIDED
AUTOLAND METHOD
[NASA RELEASE-93-165] P93-10166 06

AWARDS

SA CONGRESSIONAL MEDAL OF HONOR
SA CONTRACT AWARDS
SA DISTINGUISHED PUBLIC SERVICE MEDAL,
NASA
SA INVENTOR OF THE YEAR AWARD
SA MINORITY CONTRACTOR OF THE YEAR
AWARD
SA NATIONAL MEDAL OF TECHNOLOGY
NASA RESEARCHER TAPPED FOR OHIO SCIENCE
HALL OF FAME
[NASA RELEASE-93-23] P93-10024 06

AAAS TO HONOR NASA SCIENTIST FOR OZONE
RESEARCH
[NASA RELEASE-93-26] P93-10027 06

NASA ENGINEER RECEIVES TECHNOLOGY
TRANSFER AWARD
[NASA RELEASE-93-73] P93-10074 06

NASA GROUND TERMINALS RECEIVE NATIVE
AMERICAN NAMES
[NASA RELEASE-93-83] P93-10084 06

TWENTY NATIONAL STUDENT WINNERS HONORED
IN WASHINGTON
[NASA RELEASE-93-175] P93-10176 06

B

BABAKIN ENGINEERING RESEARCH CTR., RUSSIA

NASA AND THE RUSSIAN SPACE AGENCY SIGN
MARS '94 CONTRACT
[NASA RELEASE-93-62] P93-10063 06

BALL AEROSPACE SYSTEMS

NASA SELECTS SECOND SET OF SMALL EXPLORER
MISSIONS
[NASA RELEASE-93-168] P93-10169 06

BALL AEROSPACE SYSTEMS, BOULDER, COLO.

HUBBLE INSTRUMENT MAY RECEIVE FURTHER
TESTING
[NASA RELEASE-93-169] P93-10170 06

BALLOONS

UNIVERSITIES FLY OZONE RESEARCH BALLOON
FROM TEXAS TO FLA.
[NASA RELEASE-93-8] P93-10009 06

BAMSI, INC.

KSC BASE OPERATIONS CONTRACT AWARD
PROTESTS SETTLED
[NASA RELEASE-93-18] P93-10019 06

BARTOL RESEARCH INSTITUTE, NEWARK, NJ

NASA SELECTS SECOND SET OF SMALL EXPLORER
MISSIONS
[NASA RELEASE-93-168] P93-10169 06

BATSE /EXPERIMENT/

S BURST AND TRANSIENT SOURCE EXPERIMENT

BATTELLE MEMORIAL INST., COLUMBUS, OHIO

LEWIS, CASE, BATTELLE TO COMMERCIALIZE NASA
INVENTIONS
[NASA RELEASE-93-91] P93-10092 06

BATTELLE-COLUMBUS LABS., COLUMBUS, OHIO

NASA MODIFIES FUNDING SUPPORT FOR CENTERS
FOR COMMERCIAL DEVELOPMENT
[NASA RELEASE-93-225] P93-10226 06

BAYLOR COLLEGE OF MEDICINE, HOUSTON, TEX.

SPACE STATION REDESIGN ADVISORY MEMBERS
NAMED
[NASA RELEASE-93-59] P93-10060 06

BELIZE

NASA AND CENTRAL AMERICA WILL EXPAND RAIN
FOREST STUDIES
[NASA RELEASE-93-47] P93-10048 06

BENDIX FIELD ENG. CORP., COLUMBIA, MD.

NASA TDRSS NETWORK MARKS 10 YEARS OF
OPERATION
[NASA RELEASE-93-60] P93-10061 06

BERN UNIV., SWITZERLAND

ULYSSES REACHES UNEXPLORED REGIONS OF
SUN
[NASA RELEASE-93-217] P93-10218 06

BIG-BANG COSMOLOGY

MYSTERIOUS CONCENTRATION OF DARK MATTER
DISCOVERED
[NASA RELEASE-93-1] P93-10001 06

BIG BANG THEORY PASSES TOUGHEST TEST
[NASA RELEASE-93-5] P93-10006 06

COBE 'BIG BANG' DATA MADE AVAILABLE TO
SCIENTIFIC COMMUNITY
[NASA RELEASE-93-145] P93-10146 06

NASA ENDS COSMIC BACKGROUND EXPLORER
SCIENCE OPERATIONS
[NASA RELEASE-93-228] P93-10229 06

BINARY STARS

HUBBLE IDENTIFIES A SOURCE OF MYSTERIOUS
X-RAY BURSTS
[NASA RELEASE-93-156] P93-10157 06

SATELLITE DATA GET NEW LEASE ON LIFE FROM
SOFTWARE BOOST
[NASA RELEASE-93-164] P93-10165 06

MYSTERY OF 'FASTEST FLICKERING' GALAXY
SOLVED
[NASA RELEASE-93-192] P93-10193 06

BIOASTRONAUTICS

NASA STUDY MAY HELP REDUCE
LIGHTEADEDNESS AFTER SPACE FLIGHT
[NASA RELEASE-93-30] P93-10031 06

NASA SPACE SUIT AND MEDICAL TECHNOLOGIES
HONORED
[NASA RELEASE-93-69] P93-10070 06

METABOLIC SPACEWALK STUDIES SUBJECT OF
AMES RESEARCH
[NASA RELEASE-93-93] P93-10094 06

SHUTTLE RAT EXPERIMENT YIELDS UNEXPECTED
RESULTS
[NASA RELEASE-93-181] P93-10182 06

BIODEGRADATION

NASA SCIENTISTS CREATE EARTH BREATHING
IMAGE
[NASA RELEASE-93-223] P93-10224 06

BIOENGINEERING

STUDENTS BEGIN NASA LIFE SCIENCES TRAINING
PROGRAM
[NASA RELEASE-93-117] P93-10118 06

BIOGRAPHY

SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE-93-4A] P93-10005 06

LEE NAMED NASA PROCUREMENT CHIEF
[NASA RELEASE-93-11] P93-10012 06

STAFFORD RECEIVES CONGRESSIONAL SPACE
MEDAL OF HONOR
[NASA RELEASE-93-14] P93-10015 06

VINCENT NAMED ACTING PUBLIC AFFAIRS HEAD
[NASA RELEASE-93-15] P93-10016 06

CROSSFIELD AWARDED NASA DISTINGUISHED
PUBLIC SERVICE MEDAL
[NASA RELEASE-93-16] P93-10017 06

NASA PRESENTS PUBLIC SERVICE MEDAL TO GENE
RODDENBERRY
[NASA RELEASE-93-19] P93-10020 06

SECOND GERMAN SPACELAB MISSION IS SPACE
SHUTTLE'S 54TH FLIGHT
[NASA RELEASE-93-20] P93-10021 06

NASA RESEARCHER TAPPED FOR OHIO SCIENCE
HALL OF FAME
[NASA RELEASE-93-23] P93-10024 06

ASTROPHYSICIST NAMED 1992 NASA INVENTOR OF
THE YEAR
[NASA RELEASE-93-24] P93-10025 06

AAAS TO HONOR NASA SCIENTIST FOR OZONE
RESEARCH
[NASA RELEASE-93-26] P93-10027 06

STS-56 MISSION CONTINUES NASA'S MISSION TO
PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06

GOLDIN ANNOUNCES KEY SPACE STATION POSTS,
SPENDING MEASURES
[NASA RELEASE-93-38] P93-10039 06

STS-62 AND STS-59 SPACE SHUTTLE CREW
ASSIGNMENTS ANNOUNCED
[NASA RELEASE-93-42] P93-10043 06

ASTRONAUT JEMISON TO LEAVE NASA
[NASA RELEASE-93-43] P93-10044 06

ORGANIZATIONAL CHANGES TO ENHANCE
PROGRAMS, RELATIONS
[NASA RELEASE-93-44] P93-10045 06

DIAZ NAMED TO SPACE SCIENCE POST
[NASA RELEASE-93-53] P93-10054 06

JEFF LAWRENCE APPOINTED TO HEAD
LEGISLATIVE AFFAIRS FOR NASA
[NASA RELEASE-93-70] P93-10071 06

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

MALCOLM PETERSON APPOINTED NASA ACTING
COMPTROLLER
[NASA RELEASE-93-112] P93-10113 06

ASTRONAUT BLUFORD LEAVES NASA
[NASA RELEASE-93-113] P93-10114 06

ASTRONAUT MARK BROWN TO JOIN GENERAL
RESEARCH CORP.
[NASA RELEASE-93-114] P93-10115 06

TWO ASTRONAUTS APPOINTED TO
HEADQUARTERS POSITIONS
[NASA RELEASE-93-120] P93-10121 06

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

JSC DIRECTOR COHEN ANNOUNCES RETIREMENT
[NASA RELEASE-93-131] P93-10132 06

FINARELLI APPOINTED HEAD OF STRATEGIC
PLANNING
[NASA RELEASE-93-132] P93-10133 06

STS-58 SECOND SPACELAB MISSION DEDICATED
TO LIFE SCIENCES
[NASA RELEASE-93-136] P93-10136 06

ASTRONAUT BAGIAN TAKES LEAVE OF ABSENCE
[NASA RELEASE-93-139] P93-10140 06

PAYLOAD COMMANDERS NAMED FOR FUTURE
SHUTTLE MISSIONS
[NASA RELEASE-93-140] P93-10141 06

NASA SPACE STATION DIRECTOR RICHARD KOHRS
TO RETIRE
[NASA RELEASE-93-160] P93-10161 06

CREW MEMBERS SELECTED FOR STS-63 SHUTTLE
SPACEHAB-3 FLIGHT
[NASA RELEASE-93-161] P93-10162 06

CORDOVA NAMED NASA CHIEF SCIENTIST
[NASA RELEASE-93-162] P93-10163 06

ARCHITECT OF NASA TECHNOLOGY INCUBATORS
TO RECEIVE AWARD
[NASA RELEASE-93-176] P93-10177 06

FIVE SPACEWALKS TO SERVICE HUBBLE SPACE
TELESCOPE HIGHLIGHTS SHUTTLE MISSION STS-61
[NASA RELEASE-93-204] P93-10205 06

BIOLOGICAL EFFECTS

SA PHYSIOLOGICAL EFFECTS

NASA AND CENTRAL AMERICA WILL EXPAND RAIN
FOREST STUDIES
[NASA RELEASE-93-47] P93-10048 06

BIOLOGY

S GENETICS AND GROWTH
S MOLECULAR BIOLOGY
S PHYSIOLOGY

BIOMEDICAL ENTERPRISES, INC., SAN ANTONIO

SHUTTLE TILE MATERIAL MAY HELP IN BONE
TRANSPLANTS
[NASA RELEASE-93-102] P93-10103 06

BIOMEDICAL RESEARCH

NASA JOINS FORCES WITH INDUSTRY IN AIDS
RESEARCH
[NASA RELEASE-93-88] P93-10089 06

SHUTTLE TILE MATERIAL MAY HELP IN BONE
TRANSPLANTS
[NASA RELEASE-93-102] P93-10103 06

NASA AND NIDCD SELECT VESTIBULAR RESEARCH
CENTER
[NASA RELEASE-93-111] P93-10112 06

SHUTTLE MISSION TO CONDUCT SCIENTIFIC
FIRST
[NASA RELEASE-93-173] P93-10174 06

BIOSCIENCE

S AMERICAN INST. OF BIOLOGICAL SCIENCES
S EXOBIOLOGY
S GENETICS AND GROWTH
S LIFE SCIENCES
S MOLECULAR BIOLOGY
S PHYSIOLOGY

BIOTECHNOLOGY

FIRST 1993 SHUTTLE MISSION DEMONSTRATES
UNIQUE CAPABILITIES
[NASA RELEASE-93-4] P93-10004 06

SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE-93-4A] P93-10005 06

SECOND GERMAN SPACELAB MISSION IS SPACE
SHUTTLE'S 54TH FLIGHT
[NASA RELEASE-93-20] P93-10021 06

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

NASA JOINS FORCES WITH INDUSTRY IN AIDS
RESEARCH
[NASA RELEASE-93-88] P93-10089 06

NASA MODIFIES FUNDING SUPPORT FOR CENTERS
FOR COMMERCIAL DEVELOPMENT
[NASA RELEASE-93-225] P93-10226 06

REMARKS PREPARED FOR DELIVERY: TO BOLDLY
GO - GIVING THOUGHT TO WHAT COMES NEXT IN
SPACE; NATIONAL SPACE CLUB SPACE OUTLOOK
CONFERENCE, FAIRFAX, VIRGINIA P93-10238 05

BLACK HOLES /ASTRONOMY/

HUBBLE DISCOVERS A DOUBLE NUCLEUS IN CORE
OF ACTIVE GALAXY
[NASA RELEASE-93-6] P93-10007 06

THREE SPACECRAFT TO CONDUCT 3-WEEK
GRAVITATIONAL WAVE SEARCH
[NASA RELEASE-93-48] P93-10049 06

SCIENTISTS REVEAL NATURE OF EXPLODING, RED
SUPERGIANT STAR
[NASA RELEASE-93-63] P93-10064 06

NASA SATELLITE DATA SHAKE THEORIES ON
GAMMA-RAY BURSTS
[NASA RELEASE-93-72] P93-10073 06

NEW DISCOVERIES BY NASA'S EUV EXPLORER
PRESENTED
[NASA RELEASE-93-105] P93-10106 06

HUBBLE FINDS EVIDENCE OF STELLAR CLOSE
ENCOUNTERS
[NASA RELEASE-93-109] P93-10110 06

HUBBLE SUPPORTS BLACK HOLE MODEL FOR
ACTIVE GALAXIES
[NASA RELEASE-93-130] P93-10131 06

HUBBLE FINDS A DOUBLE NUCLEUS IN THE
ANDROMEDA GALAXY
[NASA RELEASE-93-133] P93-10134 06

MYSTERY OF 'FASTEST FLICKERING' GALAXY
SOLVED
[NASA RELEASE-93-192] P93-10193 06

BLACKOUT /PHYSIOLOGY/

NASA STUDY MAY HELP REDUCE
LIGHTEADEDNESS AFTER SPACE FLIGHT
[NASA RELEASE-93-30] P93-10031 06

BLOOD

SHUTTLE MISSION TO CONDUCT SCIENTIFIC
FIRST
[NASA RELEASE-93-173] P93-10174 06

BLUE STARS

HUBBLE FINDS EVIDENCE OF STELLAR CLOSE
ENCOUNTERS
[NASA RELEASE-93-109] P93-10110 06

BOEING AEROSPACE CO.

COCKPIT WEATHER SYSTEM MAY SAVE AIRLINES
\$6 MILLION PER YEAR
[NASA RELEASE-93-194] P93-10195 06

BOEING AIRCRAFT

S BOEING 737 AIRCRAFT

BOEING DEFENSE AND SPACE GROUP

SPACE STATION HOST CENTER AND PRIME
CONTRACTOR ANNOUNCED
[NASA RELEASE-93-148] P93-10149 06

BOEING 737 AIRCRAFT

FLIGHT TESTS PROVE SIMPLER SATELLITE-GUIDED
AUTOLAND METHOD
[NASA RELEASE-93-165] P93-10166 06

BONE DEMINERALIZATION

STS-58 SECOND SPACELAB MISSION DEDICATED
TO LIFE SCIENCES
[NASA RELEASE-93-181] P93-10182 06

SHUTTLE RAT EXPERIMENT YIELDS UNEXPECTED
RESULTS
[NASA RELEASE-93-181] P93-10182 06

BONES

SHUTTLE TILE MATERIAL MAY HELP IN BONE
TRANSPLANTS
[NASA RELEASE-93-102] P93-10103 06

SHUTTLE RAT EXPERIMENT YIELDS UNEXPECTED
RESULTS
[NASA RELEASE-93-181] P93-10182 06

BOTANY

STUDENTS BEGIN NASA LIFE SCIENCES TRAINING
PROGRAM
[NASA RELEASE-93-117] P93-10118 06

BRIDGELAND AMATEUR RADIO CLUB, UTAH

UNIVERSITIES FLY OZONE RESEARCH BALLOON
FROM TEXAS TO FLA.
[NASA RELEASE-93-8] P93-10009 06

BRITISH SCIENCE RESEARCH COUNCIL

SCIENTISTS REVEAL NATURE OF EXPLODING, RED
SUPERGIANT STAR
[NASA RELEASE-93-63] P93-10064 06

BROADCASTING

NASA EDUCATION TELECASTS SCHEDULED FOR
1993-94 SCHOOL YEAR
[NASA RELEASE-93-150] P93-10151 06
MUTUAL BROADCASTING SYSTEM'S 'THE LARRY
KING SHOW': INTERVIEW WITH DAN GOLDIN
P93-10249 05

BROWN UNIV., PROVIDENCE, R.I.

CLEMENTINE MISSION SCIENCE TEAM SELECTED
[NASA RELEASE-93-66] P93-10067 06
NASA AMES TO DRIVE RUSSIAN ROBOT VIA
SATELLITE
[NASA RELEASE-93-84] P93-10085 06

BUBBLES

SUPERNOVA MAY HAVE CAUSED HUGE VOID
AROUND SOLAR SYSTEM
[NASA RELEASE-93-36] P93-10037 06

BUDGETS

S APPROPRIATIONS AND BUDGETS
S FUNDING

BURST AND TRANSIENT SOURCE EXPERIMENT

NASA SATELLITE DATA SHAKE THEORIES ON
GAMMA-RAY BURSTS
[NASA RELEASE-93-72] P93-10073 06
COMPTON OBSERVATORY DISCOVERS INTENSE,
NEW X-RAY PULSAR
[NASA RELEASE-93-141] P93-10142 06

C

C-BAND

TDRSS C-BAND AGREEMENT RESTRUCTURED
[NASA RELEASE-93-126] P93-10127 06

CALIBRATING

TOPEX POSEIDON MAPS PRECISE GLOBAL SEA
LEVEL
[NASA RELEASE-93-122] P93-10123 06

CALIFORNIA

NASA AND CALIFORNIA WINE GROWERS JOINTLY
BATTLE PEST DAMAGE
[NASA RELEASE-93-55] P93-10056 06

CALIFORNIA INST. OF TECHNOL., PASADENA

SPACE STATION REDESIGN ADVISORY MEMBERS
NAMED
[NASA RELEASE-93-59] P93-10060 06
COMPUTER PROGRAM WILL CATALOG
ASTRONOMICAL SKY SURVEY
[NASA RELEASE-93-67] P93-10068 06
SCIENTISTS LOCATE NEW RADIATION BELT
AROUND EARTH
[NASA RELEASE-93-94] P93-10095 06
HUBBLE CLOSING IN ON AGE OF THE UNIVERSE
[NASA RELEASE-93-108] P93-10109 06
HUBBLE SUPPORTS BLACK HOLE MODEL FOR
ACTIVE GALAXIES
[NASA RELEASE-93-130] P93-10131 06

NASA NAMES TEAM TO STUDY RETURN TRIP TO
MARS
[NASA RELEASE-93-157] P93-10158 06

NASA SELECTS SECOND SET OF SMALL EXPLORER
MISSIONS
[NASA RELEASE-93-168] P93-10169 06

CALIFORNIA UNIV.

NASA AND CALIFORNIA WINE GROWERS JOINTLY
BATTLE PEST DAMAGE
[NASA RELEASE-93-55] P93-10056 06

CALIFORNIA UNIV., BERKELEY

NEW DISCOVERIES BY NASA'S EUV EXPLORER
PRESENTED
[NASA RELEASE-93-105] P93-10106 06

EVIDENCE FOR SOLID WATER FOUND ON
JUPITER'S MOON IO
[NASA RELEASE-93-107] P93-10108 06

HUBBLE SUPPORTS BLACK HOLE MODEL FOR
ACTIVE GALAXIES
[NASA RELEASE-93-130] P93-10131 06

HUBBLE IDENTIFIES A SOURCE OF MYSTERIOUS
X-RAY BURSTS
[NASA RELEASE-93-156] P93-10157 06

CALIFORNIA UNIV., LOS ANGELES

EVIDENCE POINTS TO OCEANS, LIGHTNING ON
EARLY VENUS
[NASA RELEASE-93-51] P93-10052 06

NASA SR-71 NOW A FLYING OBSERVATORY
[NASA RELEASE-93-71] P93-10072 06

GALILEO DETECTS MAGNETIC FIELD AROUND
ASTEROID IDA
[NASA RELEASE-93-193] P93-10194 06

CALIFORNIA UNIV., SAN FRANCISCO

NASA STUDY MAY HELP REDUCE
LIGHTEADEDNESS AFTER SPACE FLIGHT
[NASA RELEASE-93-30] P93-10031 06

CALIFORNIA UNIV., SANTA CRUZ

EARTH'S ROTATION RATE MAY BE DUE TO EARLY
COLLISIONS
[NASA RELEASE-93-12] P93-10013 06

HUBBLE CLOSING IN ON AGE OF THE UNIVERSE
[NASA RELEASE-93-108] P93-10109 06

CAMERAS

SA FAINT OBJECT CAMERA
SA TELEVISION CAMERAS
SA WIDE FIELD CAMERAS
SA WIDE FIELD/PLANETARY CAMERA 2

NASA AMES TO DRIVE RUSSIAN ROBOT VIA
SATELLITE
[NASA RELEASE-93-84] P93-10085 06

NASA NAMES IMAGING PRINCIPAL INVESTIGATOR
FOR MESUR PATHFINDER
[NASA RELEASE-93-146] P93-10147 06

NASA RESEARCHERS RECORD UNUSUAL FLASHES
IN UPPER ATMOSPHERE
[NASA RELEASE-93-167] P93-10168 06

CANADA

S CANADIAN SPACE AGENCY

CANADIAN INST. OF THEORETICAL ASTROPHYSICS

EARTH'S ROTATION RATE MAY BE DUE TO EARLY
COLLISIONS
[NASA RELEASE-93-12] P93-10013 06

CANADIAN SPACE AGENCY

STATION REDESIGN TEAM TO SUBMIT FINAL
REPORT
[NASA RELEASE-93-104] P93-10105 06

CANCER RESEARCH

NASA AND SUPRA MEDICAL CORP. TO DEVELOP
ULTRASOUND DETECTOR
[NASA RELEASE-93-125] P93-10126 06

CAPE CANAVERAL, FLA.

S KENNEDY SPACE CENTER, COCOA BEACH,
FLA.

CAPE KENNEDY, FLA.

S KENNEDY SPACE CENTER, COCOA BEACH,
FLA.

CARBON DIOXIDE

NASA STUDY REFINES ESTIMATES OF AMAZON
DEFORESTATION
[NASA RELEASE-93-119] P93-10120 06

NASA SCIENTISTS CREATE EARTH BREATHING
IMAGE
[NASA RELEASE-93-223] P93-10224 06

CARBON MONOXIDE

NITROGEN ICE DISCOVERED ON PLUTO
[NASA RELEASE-93-142] P93-10143 06

CARBON-CARBON COMPOSITES

NASA AWARDS HIGH-SPEED AIR TRANSPORT
MATERIALS STUDY CONTRACTS
[NASA RELEASE-93-124] P93-10125 06

CARDIOVASCULAR SYSTEM

STS-58 SECOND SPACELAB MISSION DEDICATED
TO LIFE SCIENCES P93-10136 06

CARNEGIE INST. OF WASHINGTON, D.C.

HUBBLE LOOKS AT THE HEART OF A GALAXY
COLLISION
[NASA RELEASE-93-97] P93-10098 06

HUBBLE CLOSING IN ON AGE OF THE UNIVERSE
[NASA RELEASE-93-108] P93-10109 06

HUBBLE FINDS A DOUBLE NUCLEUS IN THE
ANDROMEDA GALAXY
[NASA RELEASE-93-133] P93-10134 06

CARNEGIE-MELLON UNIV., PITTSBURGH, PA.

NASA/OHIO AEROSPACE INSTITUTE TO HOST
CYBERSPACE CONFERENCE
[NASA RELEASE-93-50] P93-10051 06

DANTE ROBOT TO EXPLORE ACTIVE ALASKA
VOLCANO IN SPRING
[NASA RELEASE-93-195] P93-10196 06

CASE WESTERN RESERVE UNIV., OHIO

CATARACT SUFFERERS COULD BENEFIT FROM
SPACE TECHNOLOGY
[NASA RELEASE-93-45] P93-10046 06

LEWIS, CASE, BATTELLE TO COMMERCIALIZE NASA
INVENTIONS
[NASA RELEASE-93-91] P93-10092 06

NASA MODIFIES FUNDING SUPPORT FOR CENTERS
FOR COMMERCIAL DEVELOPMENT
[NASA RELEASE-93-225] P93-10226 06

CATALOGS

S ASTRONOMICAL CATALOGS

CATARACTS

CATARACT SUFFERERS COULD BENEFIT FROM
SPACE TECHNOLOGY
[NASA RELEASE-93-45] P93-10046 06

CCD

S CHARGE COUPLED DEVICE

CELLS

S CELLS /BIOLOGY/

CELLS /BIOLOGY/

SHUTTLE RAT EXPERIMENT YIELDS UNEXPECTED
RESULTS
[NASA RELEASE-93-181] P93-10182 06

CENTER FOR ASTROPHYSICS, CAMBRIDGE, MASS.

HUBBLE CLOSING IN ON AGE OF THE UNIVERSE
[NASA RELEASE-93-108] P93-10109 06

CENTER FOR CELL RESEARCH, PENNSYLVANIA

CONSORT 6 LAUNCH DATE SET
[NASA RELEASE-93-22] P93-10023 06

CENTER FOR EXTREME UV ASTROPHYSICS

NEW DISCOVERIES BY NASA'S EUV EXPLORER
PRESENTED
[NASA RELEASE-93-105] P93-10106 06

CENTER FOR SPACE AND ADVANCED TECHNOL., VA

NASA AWARDS CONTRACT FOR EOSDIS CORE
SYSTEM
[NASA RELEASE-93-56] P93-10057 06

CENTER FOR TECHNOLOGY COMMERCIALIZATION

NASA SMALL BUSINESS OUTREACH OFFICE TO
OPEN IN NASHUA, N.H.
[NASA RELEASE-93-206] P93-10207 06

CENTER FOR VESTIBULAR RES., EVANSTON, IL

NASA AND NIDCD SELECT VESTIBULAR RESEARCH
CENTER
[NASA RELEASE-93-111] P93-10112 06

CENTERS FOR THE COMMERCIAL DEV. OF SPACE

GOLDIN CALLS FOR IMPROVED TECHNOLOGY
TRANSFER TO INDUSTRY
[NASA RELEASE-93-9] P93-10010 06

CONSORT 6 LAUNCH DATE SET
[NASA RELEASE-93-22] P93-10023 06

NEW TECHNOLOGY REINVESTMENT PROJECT
SEMINAR SET FOR APRIL 1
[NASA RELEASE-93-57] P93-10058 06

ARCHITECT OF NASA TECHNOLOGY INCUBATORS
TO RECEIVE AWARD
[NASA RELEASE-93-176] P93-10177 06

DIRECTOR OF AMES TECHNOLOGY
COMMERCIALIZATION CENTER NAMED
[NASA RELEASE-93-185] P93-10186 06

NASA MODIFIES FUNDING SUPPORT FOR CENTERS
FOR COMMERCIAL DEVELOPMENT
[NASA RELEASE-93-225] P93-10226 06

CENTRAL AMERICA

NASA AND CENTRAL AMERICA WILL EXPAND RAIN
FOREST STUDIES
[NASA RELEASE-93-47] P93-10048 06

CENTRAL BUREAU FOR ASTRONOMICAL TELEGRAMS

COMPTON OBSERVATORY DISCOVERS INTENSE,
NEW X-RAY PULSAR
[NASA RELEASE-93-141] P93-10142 06

CENTRE NATL. D'ETUDES SPATIALES, FRANCE

CLEMENTINE MISSION SCIENCE TEAM SELECTED
[NASA RELEASE-93-66] P93-10067 06

INTERNATIONAL MARS EXPLORATION GROUP
FORMED
[NASA RELEASE-93-87] P93-10088 06

CERAMIC MATRIX COMPOSITES

UNIQUE CHEMICAL PROCESS COULD IMPROVE
CERAMIC MATERIALS
[NASA RELEASE-93-143] P93-10144 06

CERAMICS

SA CERAMIC MATRIX COMPOSITES
SHUTTLE TILE MATERIAL MAY HELP IN BONE
TRANSPLANTS
[NASA RELEASE-93-102] P93-10103 06

UNIQUE CHEMICAL PROCESS COULD IMPROVE
CERAMIC MATERIALS
[NASA RELEASE-93-143] P93-10144 06

CHARGE COUPLED DEVICE

NASA NAMES IMAGING PRINCIPAL INVESTIGATOR
FOR MESUR PATHFINDER
[NASA RELEASE-93-146] P93-10147 06

CHARON

NITROGEN ICE DISCOVERED ON PLUTO
[NASA RELEASE-93-142] P93-10143 06

CHEMICAL SYSTEMS FOR SPACE POWER

S SPACE POWER

CHEMISTRY

SA GEOCHEMISTRY
NASA AND THE RUSSIAN SPACE AGENCY SIGN
MARS '94 CONTRACT
[NASA RELEASE-93-62] P93-10063 06

CHEMOTHERAPY

NASA STUDY MAY HELP REDUCE
LIGHTHEADEDNESS AFTER SPACE FLIGHT
[NASA RELEASE-93-30] P93-10031 06

CHICAGO UNIV.

NASA AND NIDCD SELECT VESTIBULAR RESEARCH
CENTER
[NASA RELEASE-93-111] P93-10112 06

CHLORINE

OZONE DESTROYING CHLORINE EXISTED LONGER
IN 1992-93 WINTER
[NASA RELEASE-93-68] P93-10069 06

1993 ANTARCTIC OZONE HOLE REACHES RECORD
LWS
[NASA RELEASE-93-190] P93-10191 06

CIVIL AVIATION

SA COMMERCIAL AVIATION
NASA TO DEVELOP TECHNOLOGY FOR FUTURE
HIGH-SPEED TRANSPORTS
[NASA RELEASE-93-52] P93-10053 06

NASA TESTING NEW, POWERFUL DUCTED FANS
ENGINE FOR CIVIL JETS
[NASA RELEASE-93-103] P93-10104 06

NASA AWARDS HIGH-SPEED AIR TRANSPORT
MATERIALS STUDY CONTRACTS
[NASA RELEASE-93-124] P93-10125 06

NASA OSHKOSH EXHIBIT HIGHLIGHTS U.S.
'LEADERSHIP IN AERONAUTICS'
[NASA RELEASE-93-128] P93-10129 06

FLIGHT TESTS PROVE SIMPLER SATELLITE-GUIDED
AUTOLAND METHOD
[NASA RELEASE-93-165] P93-10166 06

CIVIL SPACE AGREEMENT, U.S.S.R./U.S.

NASA PROGRAM TO HELP VICTIMS OF RUSSIAN
EMERGENCY
[NASA RELEASE-93-183] P93-10184 06

CLARKSON UNIV., POTSDAM, N.Y.

NASA MODIFIES FUNDING SUPPORT FOR CENTERS
FOR COMMERCIAL DEVELOPMENT
[NASA RELEASE-93-225] P93-10226 06

CLASSROOM OF THE FUTURE PROGRAM

NATIONAL TECHNOLOGY AND EDUCATION
INITIATIVES LAUNCHED
[NASA RELEASE-93-158] P93-10159 06

CLIMATE

MT. PINATUBO ERUPTION CAUSES TEMPORARY
COOLING OF EARTH
[NASA RELEASE-93-41] P93-10042 06

TOPEX/POSEIDON DATA CONFIRMS EL NINO
PREDICTIONS
[NASA RELEASE-93-205] P93-10206 06

CLIMATE CHANGE

MT. PINATUBO ERUPTION CAUSES TEMPORARY
COOLING OF EARTH
[NASA RELEASE-93-41] P93-10042 06

NASA STUDY REFINES ESTIMATES OF AMAZON
DEFORESTATION
[NASA RELEASE-93-119] P93-10120 06

NASA EDUCATION TELECASTS SCHEDULED FOR
1993-94 SCHOOL YEAR
[NASA RELEASE-93-150] P93-10151 06

1993 ANTARCTIC OZONE HOLE REACHES RECORD
LWS
[NASA RELEASE-93-190] P93-10191 06

TOPEX/POSEIDON DATA CONFIRMS EL NINO
PREDICTIONS
[NASA RELEASE-93-205] P93-10206 06

NASA SCIENTISTS CREATE EARTH BREATHING
IMAGE
[NASA RELEASE-93-223] P93-10224 06

GLOBAL CHANGE RESEARCH; ACADEMY OF
SCIENCES, NATIONAL RESEARCH COUNCIL
BUILDING, WASHINGTON, DC P93-10244 05

CLIMATOLOGY

SCIENTISTS FORESEE STRENGTHENING EL NINO
EVENT
[NASA RELEASE-93-39] P93-10040 06

MT. PINATUBO ERUPTION CAUSES TEMPORARY
COOLING OF EARTH
[NASA RELEASE-93-41] P93-10042 06

1993 ANTARCTIC OZONE HOLE REACHES RECORD
LWS
[NASA RELEASE-93-190] P93-10191 06

TOPEX/POSEIDON DATA CONFIRMS EL NINO
PREDICTIONS
[NASA RELEASE-93-205] P93-10206 06

CLOUDS

SA HYDROGEN CLOUDS
DIAMONDS IN THE SKY CHALLENGE GALAXY
EVOLUTION THEORIES
[NASA RELEASE-93-58] P93-10059 06

FROZEN MOLECULAR HYDROGEN DISCOVERED IN
STELLAR NURSERY
[NASA RELEASE-93-187] P93-10188 06

CNES /FRANCE/

S CENTRE NATL. D'ETUDES SPATIALES, FRANCE

COBE /COSMIC BACKGROUND EXPLORER/

S COSMIC BACKGROUND EXPLORER SATELLITE

COCKPIT WEATHER INFO. NEEDS /CWIN/ SYSTEM

COCKPIT WEATHER SYSTEM MAY SAVE AIRLINES
\$6 MILLION PER YEAR
[NASA RELEASE-93-194] P93-10195 06

COCKPITS

NASA/FAA RESEARCH AIMS AT MORE EFFICIENT
AIRSPACE OPERATIONS
[NASA RELEASE-93-172] P93-10173 06

COLLISIONS

HUBBLE LOOKS AT THE HEART OF A GALAXY
COLLISION
[NASA RELEASE-93-97] P93-10098 06

HUBBLE INVESTIGATES COMET ON A COLLISION
COURSE WITH JUPITER
[NASA RELEASE-93-188] P93-10189 06

COLOR PHOTOGRAPHY

NASA NAMES IMAGING PRINCIPAL INVESTIGATOR
FOR MESUR PATHFINDER
[NASA RELEASE-93-146] P93-10147 06

COLORADO UNIV., BOULDER

NASA SELECTS UPPER ATMOSPHERE
INVESTIGATORS
[NASA RELEASE-93-123] P93-10124 06

COLUMBIA

SPACE STATION PRECURSOR WORK CONTINUES
ON SHUTTLE IN 1993
[NASA RELEASE-93-10] P93-10011 06

SECOND GERMAN SPACELAB MISSION IS SPACE
SHUTTLE'S 54TH FLIGHT
[NASA RELEASE-93-20] P93-10021 06

STS-62 AND STS-59 SPACE SHUTTLE CREW
ASSIGNMENTS ANNOUNCED
[NASA RELEASE-93-42] P93-10043 06

COLUMBIA'S RETURN MARKS SIGNIFICANT SPACE
SHUTTLE MILESTONES
[NASA RELEASE-93-79] P93-10080 06

STS-58 SECOND SPACELAB MISSION DEDICATED
TO LIFE SCIENCES P93-10136 06

COLUMBIA COMMUNICATIONS CORP., HAWAII

TDRSS C-BAND AGREEMENT RESTRUCTURED
[NASA RELEASE-93-126] P93-10127 06

COLUMBIA UNIV., N.Y.

SUPERNOVA MAY HAVE CAUSED HUGE VOID
AROUND SOLAR SYSTEM
[NASA RELEASE-93-36] P93-10037 06

NASA SELECTS SECOND SET OF SMALL EXPLORER
MISSIONS
[NASA RELEASE-93-168] P93-10169 06

COMBUSTION

FIRST 1993 SHUTTLE MISSION DEMONSTRATES
UNIQUE CAPABILITIES
[NASA RELEASE-93-4] P93-10004 06

SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE-93-4A] P93-10005 06

COMBUSTION CHAMBERS

NASA STARTS PHASE II OF SUPERSONIC AIRLINER
EFFORT
[NASA RELEASE-93-202] P93-10203 06

COMBUSTORS

S COMBUSTION CHAMBERS

COMET NUCLEI

HUBBLE INVESTIGATES COMET ON A COLLISION
COURSE WITH JUPITER
[NASA RELEASE-93-188] P93-10189 06

COMET PATH

HUBBLE INVESTIGATES COMET ON A COLLISION
COURSE WITH JUPITER
[NASA RELEASE-93-188] P93-10189 06

COMETS

DIAMONDS IN THE SKY CHALLENGE GALAXY
EVOLUTION THEORIES
[NASA RELEASE-93-58] P93-10059 06

FROZEN MOLECULAR HYDROGEN DISCOVERED IN
STELLAR NURSERY
[NASA RELEASE-93-187] P93-10188 06

HUBBLE INVESTIGATES COMET ON A COLLISION
COURSE WITH JUPITER
[NASA RELEASE-93-188] P93-10189 06

COMMERCE

NASA FUNDS EXPERIMENT TO HELP
COMMERCIALIZE TECHNOLOGY
[NASA RELEASE-93-37] P93-10038 06

LEWIS, CASE, BATTELLE TO COMMERCIALIZE NASA
INVENTIONS
[NASA RELEASE-93-91] P93-10092 06

DIRECTOR OF AMES TECHNOLOGY
COMMERCIALIZATION CENTER NAMED
[NASA RELEASE-93-185] P93-10186 06

NASA SMALL BUSINESS OUTREACH OFFICE TO
OPEN IN NASHUA, N.H.
[NASA RELEASE-93-206] P93-10207 06

COMMERCE, DEPARTMENT OF

S DEPARTMENT OF COMMERCE

COMMERCIAL AIRCRAFT

S COMMERCIAL AVIATION

COMMERCIAL AVIATION

NASA, LEARJET JOIN TO CREATE NEW BUSINESS
JET TECHNOLOGIES
[NASA RELEASE-93-46] P93-10047 06

NEW WINDSHEAR SENSORS A
GOVERNMENT-INDUSTRY 'SUCCESS STORY'
[NASA RELEASE-93-170] P93-10171 06

INTERVIEW WITH MATT BATES, INTERNATIONAL
AEROSPACE MACHINISTS UNION; ACR
HEADQUARTERS, WASHINGTON, DC P93-10245 05

COMMERCIAL PAYLOADS

SUBJECT INDEX

COMMERCIAL PAYLOADS

FIRST 1993 SHUTTLE MISSION DEMONSTRATES
UNIQUE CAPABILITIES
[NASA RELEASE-93-4] P93-10004 06
SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE-93-4A] P93-10005 06

COMMUNICATION NETWORKS

SA INTERNETS
SA SPACEBRIDGE NETWORK
NASA TDRSS NETWORK MARKS 10 YEARS OF
OPERATION
[NASA RELEASE-93-60] P93-10061 06
COCKPIT WEATHER SYSTEM MAY SAVE AIRLINES
\$6 MILLION PER YEAR
[NASA RELEASE-93-194] P93-10195 06
U.S./RUSSIAN SPACE AGENCIES HOOKING
SCIENCE NETWORKS
[NASA RELEASE-93-196] P93-10197 06

COMMUNICATION SATELLITES

S ADVANCED COMMUNICATIONS TECHNOLOGY
SAT.

COMMUNICATIONS

SA AIRCRAFT COMMUNICATIONS
SA SATELLITE COMMUNICATION
SA SPACE COMMUNICATIONS
SA SPACECRAFT COMMUNICATIONS.
NASA MODIFIES FUNDING SUPPORT FOR CENTERS
FOR COMMERCIAL DEVELOPMENT
[NASA RELEASE-93-225] P93-10226 06

COMPETITION

NASA GROUND TERMINALS RECEIVE NATIVE
AMERICAN NAMES
[NASA RELEASE-93-83] P93-10084 06

COMPOSITE MATERIALS

SA CARBON-CARBON COMPOSITES
SA CERAMIC MATRIX COMPOSITES
SHUTTLE TILE MATERIAL MAY HELP IN BONE
TRANSPLANTS
[NASA RELEASE-93-102] P93-10103 06
NASA AWARDS HIGH-SPEED AIR TRANSPORT
MATERIALS STUDY CONTRACTS
[NASA RELEASE-93-124] P93-10125 06
NASA AND SUPRA MEDICAL CORP. TO DEVELOP
ULTRASOUND DETECTOR
[NASA RELEASE-93-125] P93-10126 06
NASA AND RUSSIA SIGN AERONAUTICS
AGREEMENT IN MOSCOW
[NASA RELEASE-93-221] P93-10222 06
REMARKS PREPARED FOR DELIVERY: BRUNEL'S
PRODUCTION LINE - INSPIRATION, INNOVATION AND
THE MARCH OF TECHNOLOGY; NATIONAL CENTER
FOR MANUFACTURING SCIENCES 1993 ANNUAL
MEETING, WASHINGTON, DC P93-10236 05

COMPOSITE STRUCTURES

NASA AWARDS HIGH-SPEED AIR TRANSPORT
MATERIALS STUDY CONTRACTS
[NASA RELEASE-93-124] P93-10125 06
NASA AND RUSSIA SIGN AERONAUTICS
AGREEMENT IN MOSCOW
[NASA RELEASE-93-221] P93-10222 06

COMPTTEL

S IMAGING COMPTON TELESCOPE

COMPTON GAMMA RAY OBSERVATORY

S GAMMA RAY OBSERVATORY

COMPUTATIONAL FLUID DYNAMICS

FASTEST SUPERCOMPUTER CAN BOOST U.S.
AEROSPACE INDUSTRY
[NASA RELEASE-93-80] P93-10081 06

COMPUTER AIDED DESIGN

FASTEST SUPERCOMPUTER CAN BOOST U.S.
AEROSPACE INDUSTRY
[NASA RELEASE-93-80] P93-10081 06
INDUSTRY TESTS NASA COMPUTER PROGRAMS
FOR EFFICIENT DESIGNING
[NASA RELEASE-93-90] P93-10091 06

COMPUTER GRAPHICS

NASA/OHIO AEROSPACE INSTITUTE TO HOST
CYBERSPACE CONFERENCE
[NASA RELEASE-93-50] P93-10051 06
NASA TO COMMERCIALIZE REMOTE-CONTROL
TECHNOLOGY
[NASA RELEASE-93-100] P93-10101 06

COCKPIT WEATHER SYSTEM MAY SAVE AIRLINES
\$6 MILLION PER YEAR
[NASA RELEASE-93-194] P93-10195 06

COMPUTER NETWORKS

SA INTERNETS
FASTEST SUPERCOMPUTER CAN BOOST U.S.
AEROSPACE INDUSTRY
[NASA RELEASE-93-80] P93-10081 06
U.S./RUSSIAN SPACE AGENCIES HOOKING
SCIENCE NETWORKS
[NASA RELEASE-93-196] P93-10197 06

COMPUTER PROGRAMS

COMPUTER PROGRAM WILL CATALOG
ASTRONOMICAL SKY SURVEY
[NASA RELEASE-93-67] P93-10068 06
NASA F-15 MAKES FIRST ENGINE-CONTROLLED
TOUCHDOWN
[NASA RELEASE-93-75] P93-10076 06
INDUSTRY TESTS NASA COMPUTER PROGRAMS
FOR EFFICIENT DESIGNING
[NASA RELEASE-93-90] P93-10091 06
NASA TESTS HELICOPTER MODEL IN ICING
CONDITIONS
[NASA RELEASE-93-147] P93-10148 06
SATELLITE DATA GET NEW LEASE ON LIFE FROM
SOFTWARE BOOST
[NASA RELEASE-93-164] P93-10165 06

COMPUTER VISION

ANTARCTIC TO BECOME LABORATORY FOR
FUTURE MARS MISSIONS
[NASA RELEASE-93-178] P93-10179 06

COMPUTERIZED SIMULATION

NASA/OHIO AEROSPACE INSTITUTE TO HOST
CYBERSPACE CONFERENCE
[NASA RELEASE-93-50] P93-10051 06
FASTEST SUPERCOMPUTER CAN BOOST U.S.
AEROSPACE INDUSTRY
[NASA RELEASE-93-80] P93-10081 06
INDUSTRY TESTS NASA COMPUTER PROGRAMS
FOR EFFICIENT DESIGNING
[NASA RELEASE-93-90] P93-10091 06
TOPEX POSEIDON MAPS PRECISE GLOBAL SEA
LEVEL
[NASA RELEASE-93-122] P93-10123 06
NASA SCIENTISTS CREATE EARTH BREATHING
IMAGE
[NASA RELEASE-93-223] P93-10224 06

COMPUTERS

SA AIRBORNE/SPACEBORNE COMPUTERS
SA CRAY Y-MP SUPERCOMPUTER
SA DATA PROCESSING
SA LAPTOP COMPUTERS
SA MACINTOSH PERSONAL COMPUTERS
CATARACT SUFFERERS COULD BENEFIT FROM
SPACE TECHNOLOGY
[NASA RELEASE-93-45] P93-10046 06

CONFERENCES

SA AMERICAN GEOPHYSICAL UNION
CONFERENCE
SA CONTRACTOR'S CONFERENCE
NASA/OHIO AEROSPACE INSTITUTE TO HOST
CYBERSPACE CONFERENCE
[NASA RELEASE-93-50] P93-10051 06
NEW TECHNOLOGY REINVESTMENT PROJECT
SEMINAR SET FOR APRIL 1
[NASA RELEASE-93-57] P93-10058 06
REMARKS BY NASA ADMINISTRATOR DAN GOLDIN
BEFORE THE JPL HIGH-TECH SMALL BUSINESS
DEVELOPMENT PROCUREMENT CONFERENCE; LOS
ANGELES, CALIFORNIA P93-10231 05
REMARKS BY NASA ADMINISTRATOR DANIEL S.
GOLDIN TO THE AMERICAN ASTRONAUTICAL
SOCIETY - GODDARD MEMORIAL SYMPOSIUM:
REDESIGN OF THE SPACE STATION; HYATT REGENCY
HOTEL, CRYSTAL CITY, ARLINGTON, VIRGINIA
P93-10232 05
REMARKS PREPARED FOR DELIVERY: TO BOLDLY
GO - GIVING THOUGHT TO WHAT COMES NEXT IN
SPACE; NATIONAL SPACE CLUB SPACE OUTLOOK
CONFERENCE, FAIRFAX, VIRGINIA P93-10238 05
PRESS CONFERENCE; JOHNSON SPACE CENTER,
HOUSTON, TEXAS P93-10239 05

CONFIGURATION MANAGEMENT

PEARSON ANNOUNCES SHUTTLE PROGRAM
ADJUSTMENTS
[NASA RELEASE-93-49] P93-10050 06

CONGRESSIONAL MEDAL OF HONOR

STAFFORD RECEIVES CONGRESSIONAL SPACE
MEDAL OF HONOR
[NASA RELEASE-93-14] P93-10015 06

CONSORT 6 PAYLOAD

CONSORT 6 LAUNCH DATE SET
[NASA RELEASE-93-22] P93-10023 06

CONSORTIUM FOR MATERIALS DEV. IN SPACE

CONSORT 6 LAUNCH DATE SET
[NASA RELEASE-93-22] P93-10023 06

CONTINENTAL AIRLINES, INC.

NEW WINDSHEAR SENSORS A
GOVERNMENT-INDUSTRY 'SUCCESS STORY'
[NASA RELEASE-93-170] P93-10171 06
NASA, FAA CONSIDER REVISED WINDSHEAR
PILOTING PROCEDURES
[NASA RELEASE-93-171] P93-10172 06

CONTRACT ADMINISTRATION

GOLDIN ANNOUNCES KEY SPACE STATION POSTS,
SPENDING MEASURES
[NASA RELEASE-93-38] P93-10039 06
NASA AND THE RUSSIAN SPACE AGENCY SIGN
MARS '94 CONTRACT
[NASA RELEASE-93-62] P93-10063 06
SPACE STATION HOST CENTER AND PRIME
CONTRACTOR ANNOUNCED
[NASA RELEASE-93-148] P93-10149 06

CONTRACT AWARDS

SA SUBCONTRACTS
NASA SELECTS PHASE II SMALL BUSINESS
INNOVATION RESEARCH PROJECTS
[NASA RELEASE-93-3] P93-10003 06
NASA SELECTS SMALL BUSINESS INNOVATION
RESEARCH PROJECTS
[NASA RELEASE-93-33] P93-10034 06
NASA AWARDS CONTRACT FOR EOSDIS CORE
SYSTEM
[NASA RELEASE-93-56] P93-10057 06
NASA AWARDS HIGH-SPEED AIR TRANSPORT
MATERIALS STUDY CONTRACTS
[NASA RELEASE-93-124] P93-10125 06
SPACE STATION HOST CENTER AND PRIME
CONTRACTOR ANNOUNCED
[NASA RELEASE-93-148] P93-10149 06
NASA SELECTS FLIGHT TECHNOLOGY
PROPOSALS
[NASA RELEASE-93-186] P93-10187 06
NASA ANNOUNCES 1993 SBIR PHASE I
SELECTIONS
[NASA RELEASE-93-207] P93-10208 06
NASA EXCEEDS MINORITY SMALL BUSINESS GOAL
AHEAD OF SCHEDULE
[NASA RELEASE-93-214] P93-10215 06
NASA SELECTS PHASE II SMALL BUSINESS
PROJECTS
[NASA RELEASE-93-219] P93-10220 06

CONTRACT NEGOTIATIONS

NASA SELECTS PHASE II SMALL BUSINESS
INNOVATION RESEARCH PROJECTS
[NASA RELEASE-93-3] P93-10003 06
KSC BASE OPERATIONS CONTRACT AWARD
PROTESTS SETTLED
[NASA RELEASE-93-18] P93-10019 06
NASA CO-SPONSORS HIGH-TECH SMALL BUSINESS
CONFERENCE
[NASA RELEASE-93-29] P93-10030 06
NASA SELECTS SMALL BUSINESS INNOVATION
RESEARCH PROJECTS
[NASA RELEASE-93-33] P93-10034 06
NASA AWARDS CONTRACT FOR EOSDIS CORE
SYSTEM
[NASA RELEASE-93-56] P93-10057 06
NASA AND THE RUSSIAN SPACE AGENCY SIGN
MARS '94 CONTRACT
[NASA RELEASE-93-62] P93-10063 06
SPACE STATION HOST CENTER AND PRIME
CONTRACTOR ANNOUNCED
[NASA RELEASE-93-148] P93-10149 06

| | | | |
|--|--------------|--|--|
| NASA SELECTS FLIGHT TECHNOLOGY PROPOSALS [NASA RELEASE-93-186] | P93-10187 06 | | |
| NASA ANNOUNCES ADDITIONAL BUSINESS SELECTIONS [NASA RELEASE-93-216] | P93-10217 06 | | |
| NASA SELECTS PHASE II SMALL BUSINESS PROJECTS [NASA RELEASE-93-219] | P93-10220 06 | | |
| CONTRACT PROPOSALS | | | |
| NASA CO-SPONSORS HIGH-TECH SMALL BUSINESS CONFERENCE [NASA RELEASE-93-29] | P93-10030 06 | | |
| NASA SELECTS FLIGHT TECHNOLOGY PROPOSALS [NASA RELEASE-93-186] | P93-10187 06 | | |
| NASA ANNOUNCES 1993 SBIR PHASE I SELECTIONS [NASA RELEASE-93-207] | P93-10208 06 | | |
| NASA SELECTS PHASE II SMALL BUSINESS PROJECTS [NASA RELEASE-93-219] | P93-10220 06 | | |
| CONTRACT SPECIFICATIONS | | | |
| TDRSS C-BAND AGREEMENT RESTRUCTURED [NASA RELEASE-93-126] | P93-10127 06 | | |
| CONTRACTING AND PROCUREMENT | | | |
| NASA SELECTS PHASE II SMALL BUSINESS INNOVATION RESEARCH PROJECTS [NASA RELEASE-93-3] | P93-10003 06 | | |
| LEE NAMED NASA PROCUREMENT CHIEF [NASA RELEASE-93-11] | P93-10012 06 | | |
| NEW ADVISORY GROUP EYES MINORITY BUSINESSES [NASA RELEASE-93-17] | P93-10018 06 | | |
| KSC BASE OPERATIONS CONTRACT AWARD PROTESTS SETTLED [NASA RELEASE-93-18] | P93-10019 06 | | |
| NASA CO-SPONSORS HIGH-TECH SMALL BUSINESS CONFERENCE [NASA RELEASE-93-29] | P93-10030 06 | | |
| NASA SELECTS SMALL BUSINESS INNOVATION RESEARCH PROJECTS [NASA RELEASE-93-33] | P93-10034 06 | | |
| NASA AWARDS CONTRACT FOR EOSDIS CORE SYSTEM [NASA RELEASE-93-56] | P93-10057 06 | | |
| NASA AND THE RUSSIAN SPACE AGENCY SIGN MARS '94 CONTRACT [NASA RELEASE-93-62] | P93-10063 06 | | |
| SPACE STATION HOST CENTER AND PRIME CONTRACTOR ANNOUNCED [NASA RELEASE-93-148] | P93-10149 06 | | |
| NASA SPONSORING SMALL BUSINESS CONFERENCE ON DEC. 1-2 [NASA RELEASE-93-201] | P93-10202 06 | | |
| NASA SMALL BUSINESS OUTREACH OFFICE TO OPEN IN NASHUA, N.H. [NASA RELEASE-93-206] | P93-10207 06 | | |
| NASA ANNOUNCES 1993 SBIR PHASE I SELECTIONS [NASA RELEASE-93-207] | P93-10208 06 | | |
| NASA EXCEEDS MINORITY SMALL BUSINESS GOAL AHEAD OF SCHEDULE [NASA RELEASE-93-214] | P93-10215 06 | | |
| NASA ANNOUNCES ADDITIONAL 1993 SMALL BUSINESS SELECTIONS [NASA RELEASE-93-216] | P93-10217 06 | | |
| REMARKS BY NASA ADMINISTRATOR DAN GOLDIN BEFORE THE JPL HIGH-TECH SMALL BUSINESS DEVELOPMENT PROCUREMENT CONFERENCE; LOS ANGELES, CALIFORNIA | P93-10231 05 | | |
| CONTRACTOR'S CONFERENCE | | | |
| NASA SPONSORING SMALL BUSINESS CONFERENCE ON DEC. 1-2 [NASA RELEASE-93-201] | P93-10202 06 | | |
| CONTROL SYSTEMS | | | |
| SA AIR TRAFFIC CONTROL | | | |
| SA AIRCRAFT CONTROL | | | |
| SA ATTITUDE CONTROL SYSTEMS | | | |
| SA DIGITAL ELECTRONIC ENGINE CONTROL SYSTEM | | | |
| SA ENGINE CONTROL | | | |
| SA GUIDANCE AND CONTROL | | | |
| SA SPACECRAFT CONTROL | | | |
| SA TERMINAL RADAR APPROACH CONTROL /TRACON/ | | | |
| NASA F-15 MAKES FIRST ENGINE-CONTROLLED TOUCHDOWN [NASA RELEASE-93-75] | P93-10076 06 | | |
| NASA SYSTEM RESEARCH AIRCRAFT MAKES FIRST TEST FLIGHT [NASA RELEASE-93-95] | P93-10096 06 | | |
| NASA FLIES FIBER OPTICS ON AIRCRAFT CONTROL SYSTEMS TEST [NASA RELEASE-93-199] | P93-10200 06 | | |
| COOPERATION | | | |
| S INDUSTRIAL COOPERATION | | | |
| S INTERAGENCY COOPERATION | | | |
| S INTERNATIONAL COOPERATION | | | |
| S PRIVATE SECTOR COOPERATION | | | |
| S SCHOLASTIC COOPERATION | | | |
| COPENHAGEN UNIV., DENMARK | | | |
| NASA NAMES IMAGING PRINCIPAL INVESTIGATOR FOR MESUR PATHFINDER [NASA RELEASE-93-146] | P93-10147 06 | | |
| CORNELL UNIV., N.Y. | | | |
| NASA NAMES TEAM TO STUDY RETURN TRIP TO MARS [NASA RELEASE-93-157] | P93-10158 06 | | |
| NASA SELECTS SECOND SET OF SMALL EXPLORER MISSIONS [NASA RELEASE-93-168] | P93-10169 06 | | |
| CORRECTIVE OPTICS /HUBBLE TELESCOPE/ | | | |
| HUBBLE INSTRUMENT MAY RECEIVE FURTHER TESTING [NASA RELEASE-93-169] | P93-10170 06 | | |
| FIVE SPACEWALKS TO SERVICE HUBBLE SPACE TELESCOPE HIGHLIGHTS SHUTTLE MISSION STS-61 [NASA RELEASE-93-204] | P93-10205 06 | | |
| COSMIC BACKGROUND EXPLORER SATELLITE | | | |
| BIG BANG THEORY PASSES TOUGHEST TEST [NASA RELEASE-93-5] | P93-10006 06 | | |
| COBE 'BIG BANG' DATA MADE AVAILABLE TO SCIENTIFIC COMMUNITY [NASA RELEASE-93-145] | P93-10146 06 | | |
| NASA ENDS COSMIC BACKGROUND EXPLORER SCIENCE OPERATIONS [NASA RELEASE-93-228] | P93-10229 06 | | |
| COSMIC RAYS | | | |
| SA GAMMA RAY BURSTS | | | |
| SCIENTISTS LOCATE NEW RADIATION BELT AROUND EARTH [NASA RELEASE-93-94] | P93-10095 06 | | |
| NASA SELECTS SECOND SET OF SMALL EXPLORER MISSIONS [NASA RELEASE-93-168] | P93-10169 06 | | |
| GAMMA-RAY OBSERVATORY PRODUCES THREE MAJOR DISCOVERIES [NASA RELEASE-93-182] | P93-10183 06 | | |
| COSMOCHEMISTRY | | | |
| GAMMA-RAY OBSERVATORY PRODUCES THREE MAJOR DISCOVERIES [NASA RELEASE-93-182] | P93-10183 06 | | |
| COSMOLOGY | | | |
| S BIG-BANG COSMOLOGY | | | |
| COSMOLOGY DATA ANALYSIS CENTER | | | |
| COBE 'BIG BANG' DATA MADE AVAILABLE TO SCIENTIFIC COMMUNITY [NASA RELEASE-93-145] | P93-10146 06 | | |
| COSMONAUTS | | | |
| PRIME AND BACKUP COSMONAUTS NAMED FOR SHUTTLE STS-60 MISSION [NASA RELEASE-93-61] | P93-10062 06 | | |
| CREW MEMBERS SELECTED FOR STS-63 SHUTTLE SPACEHAB-3 FLIGHT [NASA RELEASE-93-161] | P93-10162 06 | | |
| NASA AND RUSSIAN SPACE AGENCY SIGN AGREEMENT FOR ADDITIONAL SPACE SHUTTLE/MIR MISSIONS | | | |
| [NASA RELEASE-93-222] | P93-10223 06 | | |
| COST REDUCTION | | | |
| NASA, FAA PROGRAM COULD SAVE AIRLINES MILLIONS OF DOLLARS [NASA RELEASE-93-127] | P93-10128 06 | | |
| COCKPIT WEATHER SYSTEM MAY SAVE AIRLINES \$6 MILLION PER YEAR [NASA RELEASE-93-194] | P93-10195 06 | | |
| COSTA RICA | | | |
| NASA AND CENTRAL AMERICA WILL EXPAND RAIN FOREST STUDIES [NASA RELEASE-93-47] | P93-10048 06 | | |
| COSTS | | | |
| NASA PRESS CONFERENCE: SPACE STATION REDESIGN; NASA HEADQUARTERS BUILDING, WASHINGTON, DC | P93-10233 05 | | |
| COUNCIL OF PROGRAM MANAGEMENT, NASA | | | |
| NASA AWARDS CONTRACT FOR EOSDIS CORE SYSTEM [NASA RELEASE-93-56] | P93-10057 06 | | |
| CRASH HAZARD | | | |
| S AIRCRAFT SAFETY | | | |
| CRAY Y-MP SUPERCOMPUTER | | | |
| FASTEST SUPERCOMPUTER CAN BOOST U.S. AEROSPACE INDUSTRY [NASA RELEASE-93-80] | P93-10081 06 | | |
| CROP DAMAGE | | | |
| NASA AND CALIFORNIA WINE GROWERS JOINTLY BATTLE PEST DAMAGE [NASA RELEASE-93-55] | P93-10056 06 | | |
| CRYGENICS | | | |
| NASA SELECTS FLIGHT TECHNOLOGY PROPOSALS [NASA RELEASE-93-186] | P93-10187 06 | | |
| CRYSTAL GROWTH | | | |
| STS-62 AND STS-59 SPACE SHUTTLE CREW ASSIGNMENTS ANNOUNCED [NASA RELEASE-93-42] | P93-10043 06 | | |
| PRIME AND BACKUP COSMONAUTS NAMED FOR SHUTTLE STS-60 MISSION [NASA RELEASE-93-61] | P93-10062 06 | | |
| FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57 SHUTTLE MISSION [NASA RELEASE-93-78] | P93-10079 06 | | |
| NASA JOINS FORCES WITH INDUSTRY IN AIDS RESEARCH [NASA RELEASE-93-88] | P93-10089 06 | | |
| ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION [NASA RELEASE-93-121] | P93-10122 06 | | |
| PROTEIN CRYSTAL GROWTH RESEARCH TAKES STEP TOWARD NEW DRUGS [NASA RELEASE-93-166] | P93-10167 06 | | |
| NASA ANNOUNCES NEW SEMICONDUCTOR GROWTH PROCESS [NASA RELEASE-93-200] | P93-10201 06 | | |
| CRYSTALLOGRAPHY | | | |
| NASA JOINS FORCES WITH INDUSTRY IN AIDS RESEARCH [NASA RELEASE-93-88] | P93-10089 06 | | |
| PROTEIN CRYSTAL GROWTH RESEARCH TAKES STEP TOWARD NEW DRUGS [NASA RELEASE-93-166] | P93-10167 06 | | |
| CRYSTALS | | | |
| S PROTEIN CRYSTALS | | | |
| CWIN | | | |
| S COCKPIT WEATHER INFO. NEEDS /CWIN/ SYSTEM | | | |
| CYBERSPACE | | | |
| NASA/OHIO AEROSPACE INSTITUTE TO HOST CYBERSPACE CONFERENCE [NASA RELEASE-93-50] | P93-10051 06 | | |
| D | | | |
| DARK MATTER | | | |
| MYSTERIOUS CONCENTRATION OF DARK MATTER DISCOVERED [NASA RELEASE-93-1] | P93-10001 06 | | |

- HUBBLE DEEP-SKY SURVEY FINDS INTERACTING GALAXIES IN A CLUSTER
[NASA RELEASE-93-203] P93-10204 06
- DATA ACQUISITION AND ANALYSIS**
- SA NATIONAL SPACE SCIENCE DATA CENTER, GSFC
SA TRACKING AND DATA ACQUISITION
NASA AWARDS CONTRACT FOR EOSDIS CORE SYSTEM
[NASA RELEASE-93-56] P93-10057 06
NASA STUDY REFINES ESTIMATES OF AMAZON DEFORESTATION
[NASA RELEASE-93-119] P93-10120 06
- DATA BASES**
- COMPUTER PROGRAM WILL CATALOG ASTRONOMICAL SKY SURVEY
[NASA RELEASE-93-67] P93-10068 06
TECHNOLOGY TRANSFER CENTER TO WORK WITH SDIO TO AID INDUSTRY
[NASA RELEASE-93-77] P93-10078 06
NASA PROVIDING MIDWEST FLOODING INFORMATION
[NASA RELEASE-93-134] P93-10135 06
NASA TESTS HELICOPTER MODEL IN ICING CONDITIONS
[NASA RELEASE-93-147] P93-10148 06
- DATA LINKS**
- NASA AMES TO DRIVE RUSSIAN ROBOT VIA SATELLITE
[NASA RELEASE-93-84] P93-10085 06
PERSEUS RESEARCH AIRCRAFT MAKES FIRST TEST FLIGHT
[NASA RELEASE-93-227] P93-10228 06
- DATA PROCESSING**
- SA SIGNAL PROCESSING
NASA AWARDS CONTRACT FOR EOSDIS CORE SYSTEM
[NASA RELEASE-93-56] P93-10057 06
SATELLITE DATA GET NEW LEASE ON LIFE FROM SOFTWARE BOOST
[NASA RELEASE-93-164] P93-10165 06
- DATA SYSTEMS**
- SA AIR DATA SYSTEMS
NASA AWARDS CONTRACT FOR EOSDIS CORE SYSTEM
[NASA RELEASE-93-56] P93-10057 06
NASA TESTS NEW LASER AIR DATA SYSTEM ON SR-71 BLACKBIRD
[NASA RELEASE-93-163] P93-10164 06
- DC-8 AIRCRAFT**
- NASA RESEARCHERS RECORD UNUSUAL FLASHES IN UPPER ATMOSPHERE
[NASA RELEASE-93-167] P93-10168 06
- DECOMPOSITION**
- NASA SCIENTISTS CREATE EARTH BREATHING IMAGE
[NASA RELEASE-93-223] P93-10224 06
- DEEP SPACE NETWORK**
- THREE SPACECRAFT TO CONDUCT 3-WEEK GRAVITATIONAL WAVE SEARCH
[NASA RELEASE-93-48] P93-10049 06
NASA USES NEW METHOD TO DETECT NEW STARS AND PLANETS
[NASA RELEASE-93-106] P93-10107 06
PIONEER CELEBRATES 10 YEARS BEYOND THE KNOWN SOLAR PLANETS
[NASA RELEASE-93-110] P93-10111 06
- DEFENSE REINVEST. & CONVERSION INITIATIVE**
- NASA, OTHER AGENCIES TO EXPLAIN TECHNOLOGY REINVESTMENT
[NASA RELEASE-93-65] P93-10066 06
SOLICITATION ISSUED FOR TECHNOLOGY REINVESTMENT PROPOSALS
[NASA RELEASE-93-85] P93-10086 06
- DEFENSE, DEPARTMENT OF**
- S DEPARTMENT OF DEFENSE
- DEFORESTATION**
- NASA STUDY REFINES ESTIMATES OF AMAZON DEFORESTATION
[NASA RELEASE-93-119] P93-10120 06
- DELTA LAUNCH VEHICLES**
- SCIENTISTS REVEAL NATURE OF EXPLODING, RED SUPERGIANT STAR
[NASA RELEASE-93-63] P93-10064 06
- DEMINERALIZATION**
- S BONE DEMINERALIZATION
- DEPARTMENT OF COMMERCE**
- SA NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.
NASA, OTHER AGENCIES TO EXPLAIN TECHNOLOGY REINVESTMENT
[NASA RELEASE-93-65] P93-10066 06
SOLICITATION ISSUED FOR TECHNOLOGY REINVESTMENT PROPOSALS
[NASA RELEASE-93-85] P93-10086 06
ARCHITECT OF NASA TECHNOLOGY INCUBATORS TO RECEIVE AWARD
[NASA RELEASE-93-176] P93-10177 06
YELLOW CREEK FACILITIES TARGETED FOR SHUTTLE NOZZLE WORK
[NASA RELEASE-93-215] P93-10216 06
- DEPARTMENT OF DEFENSE**
- SA ADVANCED RESEARCH PROJECTS AGENCY
NEW TECHNOLOGY REINVESTMENT PROJECT SEMINAR SET FOR APRIL 1
[NASA RELEASE-93-57] P93-10058 06
NASA, OTHER AGENCIES TO EXPLAIN TECHNOLOGY REINVESTMENT
[NASA RELEASE-93-65] P93-10066 06
SOLICITATION ISSUED FOR TECHNOLOGY REINVESTMENT PROPOSALS
[NASA RELEASE-93-85] P93-10086 06
NASA BOOSTS HYPERSONIC RESEARCH WITH UNIVERSITY GRANTS
[NASA RELEASE-93-152] P93-10153 06
NASA NAMES TEAM TO STUDY RETURN TRIP TO MARS
[NASA RELEASE-93-157] P93-10158 06
NASA TESTS NEW LASER AIR DATA SYSTEM ON SR-71 BLACKBIRD
[NASA RELEASE-93-163] P93-10164 06
- DEPARTMENT OF ENERGY**
- SA ARGONNE NATIONAL LAB., ILL.
NEW TECHNOLOGY REINVESTMENT PROJECT SEMINAR SET FOR APRIL 1
[NASA RELEASE-93-57] P93-10058 06
NASA, OTHER AGENCIES TO EXPLAIN TECHNOLOGY REINVESTMENT
[NASA RELEASE-93-65] P93-10066 06
SOLICITATION ISSUED FOR TECHNOLOGY REINVESTMENT PROPOSALS
[NASA RELEASE-93-85] P93-10086 06
U.S./RUSSIAN SPACE AGENCIES HOOKING SCIENCE NETWORKS
[NASA RELEASE-93-196] P93-10197 06
TECHNOLOGY 2003 TO HIGHLIGHT NEW TECHNOLOGICAL DISCOVERIES
[NASA RELEASE-93-212] P93-10213 06
- DEPARTMENT OF INTERIOR**
- S GEOLOGICAL SURVEY, U.S.
- DEPARTMENT OF LABOR**
- YELLOW CREEK FACILITIES TARGETED FOR SHUTTLE NOZZLE WORK
[NASA RELEASE-93-215] P93-10216 06
- DEPARTMENT OF TRANSPORTATION**
- S FEDERAL AVIATION ADMINISTRATION
- DESERTS**
- NASA HELPS PROVIDE FAMINE EARLY WARNING FOR AFRICA
[NASA RELEASE-93-213] P93-10214 06
- DESIGN ANALYSIS**
- NASA ENGINEER RECEIVES TECHNOLOGY TRANSFER AWARD
[NASA RELEASE-93-73] P93-10074 06
- DESIGN CRITERIA**
- S AIRCRAFT DESIGN
S SPACECRAFT CONFIGURATIONS
S SPACECRAFT DESIGN
- DETECTORS**
- SA INFRARED DETECTORS
- JPL TEAM DEVELOPS SPECIAL POLLUTION DETECTION GLASS
[NASA RELEASE-93-209] P93-10210 06
- DEUTERIUM**
- EVIDENCE POINTS TO OCEANS, LIGHTNING ON EARLY VENUS
[NASA RELEASE-93-51] P93-10052 06
- DIAGNOSIS**
- NASA AND SUPRA MEDICAL CORP. TO DEVELOP ULTRASOUND DETECTOR
[NASA RELEASE-93-125] P93-10126 06
- DIAMONDS**
- DIAMONDS IN THE SKY CHALLENGE GALAXY EVOLUTION THEORIES
[NASA RELEASE-93-58] P93-10059 06
- DIFFERENTIAL MICROWAVE RADIOMETER**
- COBE 'BIG BANG' DATA MADE AVAILABLE TO SCIENTIFIC COMMUNITY
[NASA RELEASE-93-145] P93-10146 06
NASA ENDS COSMIC BACKGROUND EXPLORER SCIENCE OPERATIONS
[NASA RELEASE-93-228] P93-10229 06
- DIFFUSE INFRARED BACKGROUND EXPERIMENT**
- COBE 'BIG BANG' DATA MADE AVAILABLE TO SCIENTIFIC COMMUNITY
[NASA RELEASE-93-145] P93-10146 06
NASA ENDS COSMIC BACKGROUND EXPLORER SCIENCE OPERATIONS
[NASA RELEASE-93-228] P93-10229 06
- DIGIRAY CORP.**
- NASA ADAPTING UNIQUE X-RAY SYSTEM TO INSPECT AIRCRAFT
[NASA RELEASE-93-137] P93-10138 06
- DIGITAL CODING**
- S DATA PROCESSING
- DIGITAL DATA**
- NASA PROVIDING MIDWEST FLOODING INFORMATION
[NASA RELEASE-93-134] P93-10135 06
- DIGITAL ELECTRONIC ENGINE CONTROL SYSTEM**
- NASA F-15 MAKES FIRST ENGINE-CONTROLLED TOUCHDOWN
[NASA RELEASE-93-75] P93-10076 06
- DIGITIZED PHOTOGRAPHIC PLATES**
- COMPUTER PROGRAM WILL CATALOG ASTRONOMICAL SKY SURVEY
[NASA RELEASE-93-67] P93-10068 06
- DIODES**
- NASA ANNOUNCES NEW SEMICONDUCTOR GROWTH PROCESS
[NASA RELEASE-93-200] P93-10201 06
- DIRBE**
- S DIFFUSE INFRARED BACKGROUND EXPERIMENT
- DISASTERS**
- S ENVIRONMENTAL DISASTERS
- DISCOVERY**
- SPACE STATION PRECURSOR WORK CONTINUES ON SHUTTLE IN 1993
[NASA RELEASE-93-10] P93-10011 06
SPACEWALK ADDED TO JULY SPACE SHUTTLE FLIGHT
[NASA RELEASE-93-21] P93-10022 06
STS-56 MISSION CONTINUES NASA'S MISSION TO PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06
HUBBLE TELESCOPE SERVICING MISSION SCHEDULED FOR ELEVEN DAYS
[NASA RELEASE-93-76] P93-10077 06
NASA BOARD TO INVESTIGATE STS-51 HARDWARE PROBLEM
[NASA RELEASE-93-184] P93-10185 06
- DISCOVERY PROGRAM**
- NASA SELECTS 11 DISCOVERY MISSION CONCEPTS FOR STUDY
[NASA RELEASE-93-27] P93-10028 06
NASA NAMES IMAGING PRINCIPAL INVESTIGATOR FOR MESUR PATHFINDER
[NASA RELEASE-93-146] P93-10147 06

DISEASES

S ACQUIRED IMMUNODEFICIENCY SYNDROME /AIDS/
S TUMORS

DISPLAY DEVICES

SA COCKPIT WEATHER INFO. NEEDS /CWIN/ SYSTEM

NASA, FAA CONSIDER REVISED WINDSHEAR PILOTING PROCEDURES
[NASA RELEASE-93-171] P93-10172 06

NASA/FAA RESEARCH AIMS AT MORE EFFICIENT AIRSPACE OPERATIONS
[NASA RELEASE-93-172] P93-10173 06

COCKPIT WEATHER SYSTEM MAY SAVE AIRLINES \$6 MILLION PER YEAR
[NASA RELEASE-93-194] P93-10195 06

DISTINGUISHED PUBLIC SERVICE MEDAL, NASA

CROSSFIELD AWARDED NASA DISTINGUISHED PUBLIC SERVICE MEDAL
[NASA RELEASE-93-16] P93-10017 06

NASA PRESENTS PUBLIC SERVICE MEDAL TO GENE RODDENBERRY
[NASA RELEASE-93-19] P93-10020 06

DMR

S DIFFERENTIAL MICROWAVE RADIOMETER

DOC

S DEPARTMENT OF COMMERCE

DOCKING

S SPACE DOCKING

DOD

S DEPARTMENT OF DEFENSE

DOE

S DEPARTMENT OF ENERGY

DOMINION ASTROPHYSICAL OBSERVATORY, CANADA

HUBBLE CLOSING IN ON AGE OF THE UNIVERSE
[NASA RELEASE-93-108] P93-10109 06

DOPPLER RADAR SYSTEM

NEW WINDSHEAR SENSORS A
GOVERNMENT-INDUSTRY 'SUCCESS STORY'
[NASA RELEASE-93-170] P93-10171 06

DRAG REDUCTION

NASA, LEARJET JOIN TO CREATE NEW BUSINESS JET TECHNOLOGIES
[NASA RELEASE-93-46] P93-10047 06

NASA TO DEVELOP TECHNOLOGY FOR FUTURE HIGH-SPEED TRANSPORTS
[NASA RELEASE-93-52] P93-10053 06

DRUGS

NASA JOINS FORCES WITH INDUSTRY IN AIDS RESEARCH
[NASA RELEASE-93-88] P93-10089 06
PROTEIN CRYSTAL GROWTH RESEARCH TAKES STEP TOWARD NEW DRUGS
[NASA RELEASE-93-166] P93-10167 06

DRYDEN FLIGHT RESEARCH FACILITY, CALIF.

NASA INVENTION YIELDS BETTER, FASTER STRESS MEASUREMENTS
[NASA RELEASE-93-2] P93-10002 06

NASA TO DEVELOP TECHNOLOGY FOR FUTURE HIGH-SPEED TRANSPORTS
[NASA RELEASE-93-52] P93-10053 06

NASA SR-71 NOW A FLYING OBSERVATORY
[NASA RELEASE-93-71] P93-10072 06

NASA F-15 MAKES FIRST ENGINE-CONTROLLED TOUCHDOWN
[NASA RELEASE-93-75] P93-10076 06

NASA SYSTEM RESEARCH AIRCRAFT MAKES FIRST TEST FLIGHT
[NASA RELEASE-93-95] P93-10096 06

NASA F-15 BEING READIED FOR ADVANCED MANEUVERING FLIGHT
[NASA RELEASE-93-115] P93-10116 06

NASA TESTS NEW LASER AIR DATA SYSTEM ON SR-71 BLACKBIRD
[NASA RELEASE-93-163] P93-10164 06

NASA FLIES FIBER OPTICS ON AIRCRAFT CONTROL SYSTEMS TEST
[NASA RELEASE-93-199] P93-10200 06

PERSEUS RESEARCH AIRCRAFT MAKES FIRST TEST FLIGHT
[NASA RELEASE-93-227] P93-10228 06

DSN

S DEEP SPACE NETWORK

DUCTED FAN ENGINES

NASA TESTING NEW, POWERFUL DUCTED FANS ENGINE FOR CIVIL JETS
[NASA RELEASE-93-103] P93-10104 06

DUST

S INTERSTELLAR DUST

DYNAMIC VELOCITY TAPER

NASA-RUSSIAN MISSION EXPLORES KAMCHATKAN VOLCANOES
[NASA RELEASE-93-198] P93-10199 06

E

EAR

S OTOLITH ORGANS
S VESTIBULAR SYSTEM

EARTH ATMOSPHERE

S IONOSPHERE
S MESOSPHERE
S STRATOSPHERE
S UPPER ATMOSPHERE

EARTH ENVIRONMENT

SA ENVIRONMENTAL DISASTERS
NASA EDUCATION TELECASTS SCHEDULED FOR 1993-94 SCHOOL YEAR
[NASA RELEASE-93-150] P93-10151 06
NASA SCIENTISTS CREATE EARTH BREATHING IMAGE
[NASA RELEASE-93-223] P93-10224 06

EARTH MOVEMENTS

NASA SCIENTISTS CREATE EARTH BREATHING IMAGE
[NASA RELEASE-93-223] P93-10224 06

EARTH OBSERVING SYSTEM /EOS/

NASA AND CENTRAL AMERICA WILL EXPAND RAIN FOREST STUDIES
[NASA RELEASE-93-47] P93-10048 06
NASA AWARDS CONTRACT FOR EOSDIS CORE SYSTEM
[NASA RELEASE-93-56] P93-10057 06
NASA TDRSS NETWORK MARKS 10 YEARS OF OPERATION
[NASA RELEASE-93-60] P93-10061 06

EARTH RADIATION BUDGET

MT. PINATUBO ERUPTION CAUSES TEMPORARY COOLING OF EARTH
[NASA RELEASE-93-41] P93-10042 06

EARTH RADIATION BUDGET SATELLITE SYSTEM

MT. PINATUBO ERUPTION CAUSES TEMPORARY COOLING OF EARTH
[NASA RELEASE-93-41] P93-10042 06

EARTH RESOURCES

S VEGETATION
S WATER RESOURCES

EARTH ROTATION

EARTH'S ROTATION RATE MAY BE DUE TO EARLY COLLISIONS
[NASA RELEASE-93-12] P93-10013 06

EARTH SCIENCE AND APPLICATIONS DIV., NASA

NASA AND CENTRAL AMERICA WILL EXPAND RAIN FOREST STUDIES
[NASA RELEASE-93-47] P93-10048 06

EARTH SCIENCES

SA GEOLOGY

STS-62 AND STS-59 SPACE SHUTTLE CREW ASSIGNMENTS ANNOUNCED
[NASA RELEASE-93-42] P93-10043 06

U.S./RUSSIAN SPACE AGENCIES HOOKING SCIENCE NETWORKS
[NASA RELEASE-93-196] P93-10197 06

ECOLOGY

STUDENTS BEGIN NASA LIFE SCIENCES TRAINING PROGRAM
[NASA RELEASE-93-117] P93-10118 06

ECONOMIC DEVELOPMENT

NASA AND CENTRAL AMERICA WILL EXPAND RAIN FOREST STUDIES
[NASA RELEASE-93-47] P93-10048 06

EDINBURGH UNIV., SCOTLAND

OZONE DESTROYING CHLORINE EXISTED LONGER IN 1992-93 WINTER
[NASA RELEASE-93-68] P93-10069 06

EDUCATION

SA PILOT TRAINING
SA TEACHER RESOURCE CENTERS, NASA

MINORITY STUDENTS APPRENTICE ON SPACE RESEARCH
[NASA RELEASE-93-116] P93-10117 06

STUDENTS BEGIN NASA LIFE SCIENCES TRAINING PROGRAM
[NASA RELEASE-93-117] P93-10118 06

NASA EDUCATION TELECASTS SCHEDULED FOR 1993-94 SCHOOL YEAR
[NASA RELEASE-93-150] P93-10151 06

EDUCATIONAL PROGRAMS

SA CLASSROOM OF THE FUTURE PROGRAM
SA UNIVERSITY PROGRAMS

MINORITY STUDENTS APPRENTICE ON SPACE RESEARCH
[NASA RELEASE-93-116] P93-10117 06

NASA EDUCATION TELECASTS SCHEDULED FOR 1993-94 SCHOOL YEAR
[NASA RELEASE-93-150] P93-10151 06

NATIONAL TECHNOLOGY AND EDUCATION INITIATIVES LAUNCHED
[NASA RELEASE-93-158] P93-10159 06

TWENTY NATIONAL STUDENT WINNERS HONORED IN WASHINGTON
[NASA RELEASE-93-175] P93-10176 06

NASA FOSTERS AEROSPACE ENGINEERING AT SOUTHERN UNIVERSITY
[NASA RELEASE-93-197] P93-10198 06

NASA TAPS 20 SCHOOLS FOR AERONAUTICS ENGINEERING GRANTS
[NASA RELEASE-93-210] P93-10211 06

HST SERVICING MISSION HIGHLIGHTS 1993 NASA ACCOMPLISHMENTS
[NASA RELEASE-93-226] P93-10227 06

PRESS CONFERENCE; JOHNSON SPACE CENTER, HOUSTON, TEXAS
P93-10239 05

WEST VIRGINIA HIGH TECH CONSORTIUM; FAIRMONT, WEST VIRGINIA
P93-10247 05

EDUCATIONAL TELEVISION

NASA EDUCATION TELECASTS SCHEDULED FOR 1993-94 SCHOOL YEAR
[NASA RELEASE-93-150] P93-10151 06

EDWARDS AFB, CALIF.

NASA SYSTEM RESEARCH AIRCRAFT MAKES FIRST TEST FLIGHT
[NASA RELEASE-93-95] P93-10096 06

NASA TESTS NEW LASER AIR DATA SYSTEM ON SR-71 BLACKBIRD
[NASA RELEASE-93-163] P93-10164 06

EER SYSTEMS CORP., VIENNA, VA.

CONSORT 6 LAUNCH DATE SET
[NASA RELEASE-93-22] P93-10023 06

EG&G FLORIDA, INC.

KSC BASE OPERATIONS CONTRACT AWARD PROTESTS SETTLED
[NASA RELEASE-93-18] P93-10019 06

EGRET /TELESCOPE/

S ENERGETIC GAMMA RAY EXPERIMENT TELESCOPE

EL NINO

SCIENTISTS FORESEE STRENGTHENING EL NINO EVENT
[NASA RELEASE-93-39] P93-10040 06

TOPEX POSEIDON MAPS PRECISE GLOBAL SEA LEVEL
[NASA RELEASE-93-122] P93-10123 06

TOPEX/POSEIDON DATA CONFIRMS EL NINO PREDICTIONS
[NASA RELEASE-93-205] P93-10206 06

EL SALVADOR

NASA AND CENTRAL AMERICA WILL EXPAND RAIN
FOREST STUDIES
[NASA RELEASE-93-47] P93-10048 06

ELECTRIC DISCHARGE

NASA RESEARCHERS RECORD UNUSUAL FLASHES
IN UPPER ATMOSPHERE
[NASA RELEASE-93-167] P93-10168 06

ELECTROMAGNETIC RADIATION

S EXTREME UV RADIATION
S GAMMA RAY BURSTS
S GAMMA RAYS
S INFRARED RADIATION
S RADIO WAVES
S ULTRAVIOLET RADIATION
S X-RAYS

ELECTRONIC DATA SYSTEMS, HERNDON, VA

NASA AWARDS CONTRACT FOR EOSDIS CORE
SYSTEM
[NASA RELEASE-93-56] P93-10057 06

ELECTRONIC EQUIPMENT

SA SEMICONDUCTORS
NASA SYSTEM RESEARCH AIRCRAFT MAKES FIRST
TEST FLIGHT
[NASA RELEASE-93-95] P93-10096 06

EMERGENCIES

SA EMERGENCY LANDING
NASA PROVIDING MIDWEST FLOODING
INFORMATION
[NASA RELEASE-93-134] P93-10135 06

EMERGENCY LANDING

NASA F-15 MAKES FIRST ENGINE-CONTROLLED
TOUCHDOWN
[NASA RELEASE-93-75] P93-10076 06

EMISSION SPECTRA

GAMMA-RAY OBSERVATORY PRODUCES THREE
MAJOR DISCOVERIES
[NASA RELEASE-93-182] P93-10183 06

ENCODER

S DATA PROCESSING

ENDEAVOUR

FIRST 1993 SHUTTLE MISSION DEMONSTRATES
UNIQUE CAPABILITIES
[NASA RELEASE-93-4] P93-10004 06

SPACE STATION PRECURSOR WORK CONTINUES
ON SHUTTLE IN 1993
[NASA RELEASE-93-10] P93-10011 06

SPACEWALK ADDED TO APRIL SPACE SHUTTLE
FLIGHT
[NASA RELEASE-93-31] P93-10032 06

HUBBLE TELESCOPE SERVICING MISSION
SCHEDULED FOR ELEVEN DAYS
[NASA RELEASE-93-76] P93-10077 06

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

FIVE SPACEWALKS TO SERVICE HUBBLE SPACE
TELESCOPE HIGHLIGHTS SHUTTLE MISSION STS-61
[NASA RELEASE-93-204] P93-10205 06

HST SERVICING MISSION HIGHLIGHTS 1993 NASA
ACCOMPLISHMENTS
[NASA RELEASE-93-226] P93-10227 06

ENERGETIC GAMMA RAY EXPERIMENT TELESCOPE

NASA SATELLITE DATA SHAKE THEORIES ON
GAMMA-RAY BURSTS
[NASA RELEASE-93-72] P93-10073 06

ENERGIA, INC., MOSCOW /RUSSIA/

U.S./RUSSIAN SPACE AGENCIES HOOKING
SCIENCE NETWORKS
[NASA RELEASE-93-196] P93-10197 06

ENERGY TRANSFER

S HEAT TRANSFER

ENGINE CONTROL

SA DIGITAL ELECTRONIC ENGINE CONTROL
SYSTEM

NASA F-15 MAKES FIRST ENGINE-CONTROLLED
TOUCHDOWN
[NASA RELEASE-93-75] P93-10076 06

ENGINE DESIGN

NASA STARTS PHASE II OF SUPERSONIC AIRLINER
EFFORT
[NASA RELEASE-93-202] P93-10203 06

ENGINE TECHNOLOGY

NASA STARTS PHASE II OF SUPERSONIC AIRLINER
EFFORT
[NASA RELEASE-93-202] P93-10203 06

ENGINE TESTS

SPACE STATION FREEDOM PROPULSION FIRING
TESTS UNDERWAY
[NASA RELEASE-93-7] P93-10008 06

NASA TESTING NEW, POWERFUL DUCTED FANS
ENGINE FOR CIVIL JETS
[NASA RELEASE-93-103] P93-10104 06

NASA STARTS PHASE II OF SUPERSONIC AIRLINER
EFFORT
[NASA RELEASE-93-202] P93-10203 06

ENGINEERING

S AEROSPACE ENGINEERING

ENGINEERS

NASA RESEARCHER TAPPED FOR OHIO SCIENCE
HALL OF FAME
[NASA RELEASE-93-23] P93-10024 06

ENGINES

S ADVANCED SOLID ROCKET MOTOR /SHUTTLE/
S AIRCRAFT ENGINES
S DUCTED FAN ENGINES
S F404 ENGINE
S JET ENGINES
S THRUSTORS

ENVIRONMENT

S EARTH ENVIRONMENT
S ENVIRONMENTAL DISASTERS
S ENVIRONMENTAL IMPACTS

ENVIRONMENT CANADA

OZONE DESTROYING CHLORINE EXISTED LONGER
IN 1992-93 WINTER
[NASA RELEASE-93-68] P93-10069 06

ENVIRONMENT PROTECTION

NASA AND CENTRAL AMERICA WILL EXPAND RAIN
FOREST STUDIES
[NASA RELEASE-93-47] P93-10048 06

NASA STARTS PHASE II OF SUPERSONIC AIRLINER
EFFORT
[NASA RELEASE-93-202] P93-10203 06

NASA AND RUSSIA SIGN AERONAUTICS
AGREEMENT IN MOSCOW
[NASA RELEASE-93-221] P93-10222 06

ENVIRONMENTAL DISASTERS

MT. PINATUBO ERUPTION CAUSES TEMPORARY
COOLING OF EARTH
[NASA RELEASE-93-41] P93-10042 06

ENVIRONMENTAL IMPACTS

MT. PINATUBO ERUPTION CAUSES TEMPORARY
COOLING OF EARTH
[NASA RELEASE-93-41] P93-10042 06

NASA AND CENTRAL AMERICA WILL EXPAND RAIN
FOREST STUDIES
[NASA RELEASE-93-47] P93-10048 06

NASA STUDY REFINES ESTIMATES OF AMAZON
DEFORESTATION
[NASA RELEASE-93-119] P93-10120 06

1993 ANTARCTIC OZONE HOLE REACHES RECORD
LWS
[NASA RELEASE-93-190] P93-10191 06

NASA-RUSSIAN MISSION EXPLORES KAMCHATKAN
VOLCANOES
[NASA RELEASE-93-198] P93-10199 06

TOPEX/POSEIDON DATA CONFIRMS EL NINO
PREDICTIONS
[NASA RELEASE-93-205] P93-10206 06

NASA SCIENTISTS CREATE EARTH BREATHING
IMAGE
[NASA RELEASE-93-223] P93-10224 06

ENVIRONMENTAL MONITORING

NASA AND CENTRAL AMERICA WILL EXPAND RAIN
FOREST STUDIES
[NASA RELEASE-93-47] P93-10048 06

STUDENTS BEGIN NASA LIFE SCIENCES TRAINING
PROGRAM
[NASA RELEASE-93-117] P93-10118 06

NASA STUDY REFINES ESTIMATES OF AMAZON
DEFORESTATION
[NASA RELEASE-93-119] P93-10120 06

1993 ANTARCTIC OZONE HOLE REACHES RECORD
LWS
[NASA RELEASE-93-190] P93-10191 06

TOPEX/POSEIDON DATA CONFIRMS EL NINO
PREDICTIONS
[NASA RELEASE-93-205] P93-10206 06

JPL TEAM DEVELOPS SPECIAL POLLUTION
DETECTION GLASS
[NASA RELEASE-93-209] P93-10210 06

NASA HELPS PROVIDE FAMINE EARLY WARNING
FOR AFRICA
[NASA RELEASE-93-213] P93-10214 06

NASA SCIENTISTS CREATE EARTH BREATHING
IMAGE
[NASA RELEASE-93-223] P93-10224 06

REMARKS BY DANIEL S. GOLDIN P93-10246 05

ENVIRONMENTAL RESEARCH INSTITUTE OF MICH.

NASA MODIFIES FUNDING SUPPORT FOR CENTERS
FOR COMMERCIAL DEVELOPMENT
[NASA RELEASE-93-225] P93-10226 06

ENZYMES

PROTEIN CRYSTAL GROWTH RESEARCH TAKES
STEP TOWARD NEW DRUGS
[NASA RELEASE-93-166] P93-10167 06

EOS /EARTH OBSERVING SYSTEM/

S EARTH OBSERVING SYSTEM /EOS/

EQUIPMENT

S AIRBORNE EQUIPMENT
S AIRCRAFT EQUIPMENT
S ELECTRONIC EQUIPMENT
S MEDICAL EQUIPMENT
S PORTABLE EQUIPMENT

ESRO

S EUROPEAN SPACE AGENCY

ESTEC

S EUROPEAN SPACE TECH. CENTRE,
NETHERLANDS

EURECA /ESA/

SPACEWALK ADDED TO APRIL SPACE SHUTTLE
FLIGHT
[NASA RELEASE-93-31] P93-10032 06

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

EUROPEAN RETRIEVABLE CARRIER

S EURECA /ESA/

EUROPEAN SPACE AGENCY

SECOND GERMAN SPACELAB MISSION IS SPACE
SHUTTLE'S 54TH FLIGHT
[NASA RELEASE-93-20] P93-10021 06

THREE SPACECRAFT TO CONDUCT 3-WEEK
GRAVITATIONAL WAVE SEARCH
[NASA RELEASE-93-48] P93-10049 06

SCIENTISTS REVEAL NATURE OF EXPLODING, RED
SUPERGIANT STAR
[NASA RELEASE-93-63] P93-10064 06

INTERNATIONAL MARS EXPLORATION GROUP
FORMED
[NASA RELEASE-93-87] P93-10088 06

STATION REDESIGN TEAM TO SUBMIT FINAL
REPORT
[NASA RELEASE-93-104] P93-10105 06

HUBBLE FINDS EVIDENCE OF STELLAR CLOSE
ENCOUNTERS
[NASA RELEASE-93-109] P93-10110 06

HUBBLE SUPPORTS BLACK HOLE MODEL FOR
ACTIVE GALAXIES
[NASA RELEASE-93-130] P93-10131 06

HUBBLE IDENTIFIES A SOURCE OF MYSTERIOUS
X-RAY BURSTS
[NASA RELEASE-93-156] P93-10157 06

SATELLITE DATA GET NEW LEASE ON LIFE FROM
SOFTWARE BOOST
[NASA RELEASE-93-164] P93-10165 06

HUBBLE SEES GAS SHELL AROUND NOVA CYGNI
1992
[NASA RELEASE-93-174] P93-10175 06

SUBJECT INDEX

HUBBLE INVESTIGATES COMET ON A COLLISION
COURSE WITH JUPITER
[NASA RELEASE-93-188] P93-10189 06

HUBBLE DEEP-SKY SURVEY FINDS INTERACTING
GALAXIES IN A CLUSTER
[NASA RELEASE-93-203] P93-10204 06

ULYSSES REACHES UNEXPLORED REGIONS OF
SUN
[NASA RELEASE-93-217] P93-10218 06

EUROPEAN SPACE RESEARCH ORGANIZATION
S EUROPEAN SPACE AGENCY

EUROPEAN SPACE TECH. CENTRE, NETHERLANDS
GAMMA-RAY OBSERVATORY PRODUCES THREE
MAJOR DISCOVERIES
[NASA RELEASE-93-182] P93-10183 06

EUV SATELLITE
S EXTREME ULTRAVIOLET EXPLORER

EVA
S EXTRAVEHICULAR ACTIVITY

EVAPORATION
EVIDENCE POINTS TO OCEANS, LIGHTNING ON
EARLY VENUS
[NASA RELEASE-93-51] P93-10052 06

EVOLUTION
S GALACTIC EVOLUTION
S PLANETARY EVOLUTION
S STELLAR EVOLUTION

EXHAUST
NASA TO DEVELOP TECHNOLOGY FOR FUTURE
HIGH-SPEED TRANSPORTS
[NASA RELEASE-93-52] P93-10053 06

EXHIBITS
NASA TO FEATURE VIDEOWALL AT PARIS AIR
SHOW
[NASA RELEASE-93-92] P93-10093 06

NASA OSHKOSH EXHIBIT HIGHLIGHTS U.S.
'LEADERSHIP IN AERONAUTICS'
[NASA RELEASE-93-128] P93-10129 06

TECHNOLOGY 2003 TO HIGHLIGHT NEW
TECHNOLOGICAL DISCOVERIES
[NASA RELEASE-93-212] P93-10213 06

EXOBIOLGY
SA LIFE SCIENCES

FIRST 1993 SHUTTLE MISSION DEMONSTRATES
UNIQUE CAPABILITIES
[NASA RELEASE-93-4] P93-10004 06

SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE-93-4A] P93-10005 06

SECOND GERMAN SPACELAB MISSION IS SPACE
SHUTTLE'S 54TH FLIGHT
[NASA RELEASE-93-20] P93-10021 06

STS-56 MISSION CONTINUES NASA'S MISSION TO
PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06

NASA SELECTS CENTER FOR LIFE SCIENCES
RESEARCH
[NASA RELEASE-93-40] P93-10041 06

PRIME AND BACKUP COSMONAUTS NAMED FOR
SHUTTLE STS-60 MISSION
[NASA RELEASE-93-61] P93-10062 06

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

METABOLIC SPACEWALK STUDIES SUBJECT OF
AMES RESEARCH
[NASA RELEASE-93-93] P93-10094 06

STUDENTS BEGIN NASA LIFE SCIENCES TRAINING
PROGRAM
[NASA RELEASE-93-117] P93-10118 06

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

STS-58 SECOND SPACELAB MISSION DEDICATED
TO LIFE SCIENCES
P93-10136 06

SHUTTLE MISSION TO CONDUCT SCIENTIFIC
FIRST
[NASA RELEASE-93-173] P93-10174 06

SHUTTLE RAT EXPERIMENT YIELDS UNEXPECTED
RESULTS
[NASA RELEASE-93-181] P93-10182 06

EXOSAT /EUROPEAN X-RAY OBS. SATELLITE/
MYSTERY OF 'FASTEST FLICKERING' GALAXY
SOLVED
[NASA RELEASE-93-192] P93-10193 06

EXPERIMENTAL AIRCRAFT ASSOCIATION
NASA OSHKOSH EXHIBIT HIGHLIGHTS U.S.
'LEADERSHIP IN AERONAUTICS'
[NASA RELEASE-93-128] P93-10129 06

EXPERIMENTS
S MARS OXIDENT EXPERIMENT /MOX/
S ROCKETBORNE EXPERIMENTS
S SPACEBORNE EXPERIMENTS

EXPERT SYSTEMS
COMPUTER PROGRAM WILL CATALOG
ASTRONOMICAL SKY SURVEY
[NASA RELEASE-93-67] P93-10068 06

EXPLODING STARS
S SUPERNOVA

EXPLORER PROGRAM
SA SMALL-CLASS EXPLORER PROGRAM

NEW DISCOVERIES BY NASA'S EUV EXPLORER
PRESENTED
[NASA RELEASE-93-105] P93-10106 06

EXPLORER SCIENTIFIC SATELLITES
SA COSMIC BACKGROUND EXPLORER SATELLITE
SA EXTREME ULTRAVIOLET EXPLORER
SA FAST AURORAL SNAPSHOT EXPLORER
SA TRANSITIONAL REGION AND CORONAL
EXPLORER
SA WIDE-FIELD INFRARED EXPLORER

NASA SELECTS SECOND SET OF SMALL EXPLORER
MISSIONS
[NASA RELEASE-93-168] P93-10169 06

EXPLOSIONS
NASA BOARD TO INVESTIGATE STS-51 HARDWARE
PROBLEM
[NASA RELEASE-93-184] P93-10185 06

EXPLOSIVES
NASA BOARD TO INVESTIGATE STS-51 HARDWARE
PROBLEM
[NASA RELEASE-93-184] P93-10185 06

EXTRAVEHICULAR ACTIVITY
SA SPACE MAINTENANCE

FIRST 1993 SHUTTLE MISSION DEMONSTRATES
UNIQUE CAPABILITIES
[NASA RELEASE-93-4] P93-10004 06

SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE-93-4A] P93-10005 06

SPACE STATION PRECURSOR WORK CONTINUES
ON SHUTTLE IN 1993
[NASA RELEASE-93-10] P93-10011 06

SPACEWALK ADDED TO JULY SPACE SHUTTLE
FLIGHT
[NASA RELEASE-93-21] P93-10022 06

SPACEWALK ADDED TO APRIL SPACE SHUTTLE
FLIGHT
[NASA RELEASE-93-31] P93-10032 06

HUBBLE TELESCOPE SERVICING MISSION
SCHEDULED FOR ELEVEN DAYS
[NASA RELEASE-93-76] P93-10077 06

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

METABOLIC SPACEWALK STUDIES SUBJECT OF
AMES RESEARCH
[NASA RELEASE-93-93] P93-10094 06

HUBBLE SERVICING MISSION STUDY COMPLETED
[NASA RELEASE-93-96] P93-10097 06

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

HUBBLE INSTRUMENT MAY RECEIVE FURTHER
TESTING
[NASA RELEASE-93-169] P93-10170 06

FIVE SPACEWALKS TO SERVICE HUBBLE SPACE
TELESCOPE HIGHLIGHTS SHUTTLE MISSION STS-61
[NASA RELEASE-93-204] P93-10205 06

HST SERVICING MISSION HIGHLIGHTS 1993 NASA
ACCOMPLISHMENTS
[NASA RELEASE-93-226] P93-10227 06

FEDERAL AVIATION ADMINISTRATION

EXTREME ULTRAVIOLET EXPLORER
NEW DISCOVERIES BY NASA'S EUV EXPLORER
PRESENTED
[NASA RELEASE-93-105] P93-10106 06

EXTREME UV RADIATION
NEW DISCOVERIES BY NASA'S EUV EXPLORER
PRESENTED
[NASA RELEASE-93-105] P93-10106 06

EXTREME UV TELESCOPE
NEW DISCOVERIES BY NASA'S EUV EXPLORER
PRESENTED
[NASA RELEASE-93-105] P93-10106 06

F

F-15 AIRCRAFT
NASA F-15 MAKES FIRST ENGINE-CONTROLLED
TOUCHDOWN
[NASA RELEASE-93-75] P93-10076 06

NASA F-15 BEING READIED FOR ADVANCED
MANEUVERING FLIGHT
[NASA RELEASE-93-115] P93-10116 06

F-18 AIRCRAFT
NASA SYSTEM RESEARCH AIRCRAFT MAKES FIRST
TEST FLIGHT
[NASA RELEASE-93-95] P93-10096 06

NASA FLIES FIBER OPTICS ON AIRCRAFT CONTROL
SYSTEMS TEST
[NASA RELEASE-93-199] P93-10200 06

F/A-18 AIRCRAFT
NASA SAVES \$1 MILLION ON AERONAUTICS
RESEARCH PROJECT
[NASA RELEASE-93-35] P93-10036 06

FAA
S FEDERAL AVIATION ADMINISTRATION

FABRICATION
UNIQUE CHEMICAL PROCESS COULD IMPROVE
CERAMIC MATERIALS
[NASA RELEASE-93-143] P93-10144 06

FACILITIES
S ICING RESEARCH TUNNEL /LERC/
S TEST FACILITIES

FAINT OBJECT CAMERA
HUBBLE IDENTIFIES A SOURCE OF MYSTERIOUS
X-RAY BURSTS
[NASA RELEASE-93-156] P93-10157 06

HUBBLE SEES GAS SHELL AROUND NOVA CYGNI
1992
[NASA RELEASE-93-174] P93-10175 06

FAIRFAX HOSPITAL, VA
NASA PROGRAM TO HELP VICTIMS OF RUSSIAN
EMERGENCY
[NASA RELEASE-93-183] P93-10184 06

FAMINE EARLY WARNING SYSTEMS
NASA HELPS PROVIDE FAMINE EARLY WARNING
FOR AFRICA
[NASA RELEASE-93-213] P93-10214 06

FAR INFRARED ABSOLUTE SPECTROPHOTOMETER
BIG BANG THEORY PASSES TOUGHEST TEST
[NASA RELEASE-93-5] P93-10006 06

COBE 'BIG BANG' DATA MADE AVAILABLE TO
SCIENTIFIC COMMUNITY
[NASA RELEASE-93-145] P93-10146 06

NASA ENDS COSMIC BACKGROUND EXPLORER
SCIENCE OPERATIONS
[NASA RELEASE-93-228] P93-10229 06

FAST AURORAL SNAPSHOT EXPLORER
NASA SELECTS SECOND SET OF SMALL EXPLORER
MISSIONS
[NASA RELEASE-93-168] P93-10169 06

FASTENERS
NASA ENGINEER RECEIVES TECHNOLOGY
TRANSFER AWARD
[NASA RELEASE-93-73] P93-10074 06

FEDERAL AVIATION ADMINISTRATION
UNIVERSITIES FLY OZONE RESEARCH BALLOON
FROM TEXAS TO FLA.
[NASA RELEASE-93-8] P93-10009 06

NASA, FAA PROGRAM COULD SAVE AIRLINES
MILLIONS OF DOLLARS
[NASA RELEASE-93-127] P93-10128 06

NASA ADAPTING UNIQUE X-RAY SYSTEM TO INSPECT AIRCRAFT
[NASA RELEASE-93-137] P93-10138 06

FLIGHT TESTS PROVE SIMPLER SATELLITE-GUIDED AUTOLAND METHOD
[NASA RELEASE-93-165] P93-10166 06

NEW WINDSHEAR SENSORS A GOVERNMENT-INDUSTRY 'SUCCESS STORY'
[NASA RELEASE-93-170] P93-10171 06

NASA, FAA CONSIDER REVISED WINDSHEAR PILOTING PROCEDURES
[NASA RELEASE-93-171] P93-10172 06

NASA/FAA RESEARCH AIMS AT MORE EFFICIENT AIRSPACE OPERATIONS
[NASA RELEASE-93-172] P93-10173 06

FLIGHT SIMULATORS

FASTEST SUPERCOMPUTER CAN BOOST U.S. AEROSPACE INDUSTRY
[NASA RELEASE-93-80] P93-10081 06

FLIGHT TESTS

NASA SYSTEM RESEARCH AIRCRAFT MAKES FIRST TEST FLIGHT
[NASA RELEASE-93-95] P93-10096 06

NASA TESTS NEW LASER AIR DATA SYSTEM ON SR-71 BLACKBIRD
[NASA RELEASE-93-163] P93-10164 06

FLIGHT TESTS PROVE SIMPLER SATELLITE-GUIDED AUTOLAND METHOD
[NASA RELEASE-93-165] P93-10166 06

NASA, FAA CONSIDER REVISED WINDSHEAR PILOTING PROCEDURES
[NASA RELEASE-93-171] P93-10172 06

NASA FLIES FIBER OPTICS ON AIRCRAFT CONTROL SYSTEMS TEST
[NASA RELEASE-93-199] P93-10200 06

NASA STARTS PHASE II OF SUPERSONIC AIRLINER EFFORT
[NASA RELEASE-93-202] P93-10203 06

PERSEUS RESEARCH AIRCRAFT MAKES FIRST TEST FLIGHT
[NASA RELEASE-93-227] P93-10228 06

FLOODS

NASA PROVIDING MIDWEST FLOODING INFORMATION
[NASA RELEASE-93-134] P93-10135 06

FLORENCE UNIV., ITALY

HUBBLE FINDS EVIDENCE OF STELLAR CLOSE ENCOUNTERS
[NASA RELEASE-93-109] P93-10110 06

FLORIDA

NASA, STATE OF FLORIDA, SIGN TECHNOLOGY TRANSFER ACCORD
[NASA RELEASE-93-155] P93-10156 06

FLORIDA A. AND M. UNIV., TALLAHASSEE

MINORITY STUDENTS APPRENTICE ON SPACE RESEARCH
[NASA RELEASE-93-116] P93-10117 06

FLOW

S INLET FLOW

FLOW MEASUREMENT

NASA SAVES \$1 MILLION ON AERONAUTICS RESEARCH PROJECT
[NASA RELEASE-93-35] P93-10036 06

FLOW VISUALIZATION

NASA/OHIO AEROSPACE INSTITUTE TO HOST CYBERSPACE CONFERENCE
[NASA RELEASE-93-50] P93-10051 06

FLUID DYNAMICS

SA AERODYNAMICS
SA COMPUTATIONAL FLUID DYNAMICS

NASA RESEARCHER TAPPED FOR OHIO SCIENCE HALL OF FAME
[NASA RELEASE-93-23] P93-10024 06

NASA AND RUSSIA SIGN AERONAUTICS AGREEMENT IN MOSCOW
[NASA RELEASE-93-221] P93-10222 06

FLUID FLOW

S GAS JETS
S INLET FLOW

FLUID MANAGEMENT

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57 SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

NASA SELECTS FLIGHT TECHNOLOGY PROPOSALS
[NASA RELEASE-93-186] P93-10187 06

FLUID MECHANICS

S AERODYNAMICS
S FLUID DYNAMICS

FLUOROCARBONS

OZONE DESTROYING CHLORINE EXISTED LONGER IN 1992-93 WINTER
[NASA RELEASE-93-68] P93-10069 06

FLY-IN CONVENTION & SPORT AVIATION EXHIBIT

NASA OSHKOSH EXHIBIT HIGHLIGHTS U.S. 'LEADERSHIP IN AERONAUTICS'
[NASA RELEASE-93-128] P93-10129 06

FLYBY MISSIONS

CLEMENTINE MISSION SCIENCE TEAM SELECTED
[NASA RELEASE-93-66] P93-10067 06

FORECASTING

TOPEX/POSEIDON DATA CONFIRMS EL NINO PREDICTIONS
[NASA RELEASE-93-205] P93-10206 06

FORESTS

S RAIN FORESTS

FREQUENCY BANDS

S C-BAND

FUEL CONSERVATION

NASA FLIES FIBER OPTICS ON AIRCRAFT CONTROL SYSTEMS TEST
[NASA RELEASE-93-199] P93-10200 06

FUEL CONSUMPTION

NASA TESTING NEW, POWERFUL DUCTED FANS ENGINE FOR CIVIL JETS
[NASA RELEASE-93-103] P93-10104 06

FUNDING

NASA FUNDS EXPERIMENT TO HELP COMMERCIALIZE TECHNOLOGY
[NASA RELEASE-93-37] P93-10038 06

GIBBONS OUTLINES SPACE STATION REDESIGN GUIDANCE
[NASA RELEASE-93-64] P93-10065 06

NASA MODIFIES FUNDING SUPPORT FOR CENTERS FOR COMMERCIAL DEVELOPMENT
[NASA RELEASE-93-225] P93-10226 06

NASA PRESS CONFERENCE: SPACE STATION REDESIGN; NASA HEADQUARTERS BUILDING, WASHINGTON, DC
P93-10233 05

FURNACE SYSTEMS

NASA TO DEVELOP AND BUILD SPACE STATION FURNACE FACILITY
[NASA RELEASE-93-211] P93-10212 06

F404 ENGINE

NASA SAVES \$1 MILLION ON AERONAUTICS RESEARCH PROJECT
[NASA RELEASE-93-35] P93-10036 06

G**GAGARIN CENTER FOR COSMONAUT TRAINING**

U.S./RUSSIAN SPACE AGENCIES HOOKING SCIENCE NETWORKS
[NASA RELEASE-93-196] P93-10197 06

GALACTIC CLUSTERS

MYSTERIOUS CONCENTRATION OF DARK MATTER DISCOVERED
[NASA RELEASE-93-1] P93-10001 06

HUBBLE LOOKS AT THE HEART OF A GALAXY COLLISION
[NASA RELEASE-93-97] P93-10098 06

HUBBLE DEEP-SKY SURVEY FINDS INTERACTING GALAXIES IN A CLUSTER
[NASA RELEASE-93-203] P93-10204 06

GALACTIC EVOLUTION

MYSTERIOUS CONCENTRATION OF DARK MATTER DISCOVERED
[NASA RELEASE-93-1] P93-10001 06

DIAMONDS IN THE SKY CHALLENGE GALAXY EVOLUTION THEORIES
[NASA RELEASE-93-58] P93-10059 06

HUBBLE LOOKS AT THE HEART OF A GALAXY COLLISION
[NASA RELEASE-93-97] P93-10098 06

HUBBLE SUPPORTS BLACK HOLE MODEL FOR ACTIVE GALAXIES
[NASA RELEASE-93-130] P93-10131 06

HUBBLE DEEP-SKY SURVEY FINDS INTERACTING GALAXIES IN A CLUSTER
[NASA RELEASE-93-203] P93-10204 06

SUBJECT INDEX

GALACTIC NUCLEI

HUBBLE DISCOVERS A DOUBLE NUCLEUS IN CORE OF ACTIVE GALAXY
[NASA RELEASE-93-6] P93-10007 06

HUBBLE LOOKS AT THE HEART OF A GALAXY COLLISION
[NASA RELEASE-93-97] P93-10098 06

NEW DISCOVERIES BY NASA'S EUV EXPLORER PRESENTED
[NASA RELEASE-93-105] P93-10106 06

HUBBLE SUPPORTS BLACK HOLE MODEL FOR ACTIVE GALAXIES
[NASA RELEASE-93-130] P93-10131 06

HUBBLE FINDS A DOUBLE NUCLEUS IN THE ANDROMEDA GALAXY
[NASA RELEASE-93-133] P93-10134 06

GALACTIC RADIATION

GAMMA-RAY OBSERVATORY PRODUCES THREE MAJOR DISCOVERIES
[NASA RELEASE-93-182] P93-10183 06

MYSTERY OF 'FASTEST FLICKERING' GALAXY SOLVED
[NASA RELEASE-93-192] P93-10193 06

GALACTIC STRUCTURE

HUBBLE DISCOVERS A DOUBLE NUCLEUS IN CORE OF ACTIVE GALAXY
[NASA RELEASE-93-6] P93-10007 06

HUBBLE FINDS A DOUBLE NUCLEUS IN THE ANDROMEDA GALAXY
[NASA RELEASE-93-133] P93-10134 06

GALAXIES

SA ANDROMEDA NEBULA
SA MILKY WAY
SA SEYFERT GALAXY
SA SPIRAL GALAXIES
SA STARBURST GALAXIES

MYSTERIOUS CONCENTRATION OF DARK MATTER DISCOVERED
[NASA RELEASE-93-1] P93-10001 06

HUBBLE LOOKS AT THE HEART OF A GALAXY COLLISION
[NASA RELEASE-93-97] P93-10098 06

HUBBLE SUPPORTS BLACK HOLE MODEL FOR ACTIVE GALAXIES
[NASA RELEASE-93-130] P93-10131 06

GALILEO PROJECT

THREE SPACECRAFT TO CONDUCT 3-WEEK GRAVITATIONAL WAVE SEARCH
[NASA RELEASE-93-48] P93-10049 06

HEADING FOR JUPITER, GALILEO TO ENCOUNTER ITS SECOND ASTEROID
[NASA RELEASE-93-149] P93-10150 06

GALILEO DETECTS MAGNETIC FIELD AROUND ASTEROID IDA
[NASA RELEASE-93-193] P93-10194 06

IO'S 'GHOST' DETECTED ON JUPITER
[NASA RELEASE-93-208] P93-10209 06

GAMMA RAY ASTRONOMY

COMPTON GAMMA-RAY OBSERVATORY TO GET ORBIT BOOST
[NASA RELEASE-93-179] P93-10180 06

GAMMA RAY BURSTS

NASA SATELLITE DATA SHAKE THEORIES ON GAMMA-RAY BURSTS
[NASA RELEASE-93-72] P93-10073 06

GAMMA RAY OBSERVATORY

SA GAMMA RAY ASTRONOMY

NASA SATELLITE DATA SHAKE THEORIES ON GAMMA-RAY BURSTS
[NASA RELEASE-93-72] P93-10073 06

COMPTON OBSERVATORY DISCOVERS INTENSE, NEW X-RAY PULSAR
[NASA RELEASE-93-141] P93-10142 06

COMPTON GAMMA-RAY OBSERVATORY TO GET ORBIT BOOST
[NASA RELEASE-93-179] P93-10180 06

GAMMA-RAY OBSERVATORY PRODUCES THREE MAJOR DISCOVERIES
[NASA RELEASE-93-182] P93-10183 06

NASA SUCCEEDS WITH GAMMA-RAY OBSERVATORY REBOOST
[NASA RELEASE-93-224] P93-10225 06

GAMMA RAY TELESCOPES

S ENERGETIC GAMMA RAY EXPERIMENT TELESCOPE
S GAMMA RAY ASTRONOMY
S IMAGING COMPTON TELESCOPE

GAMMA RAYS

SA GAMMA RAY BURSTS

NASA SATELLITE DATA SHAKE THEORIES ON GAMMA-RAY BURSTS
[NASA RELEASE-93-72] P93-10073 06

GAMMA-RAY OBSERVATORY PRODUCES THREE MAJOR DISCOVERIES
[NASA RELEASE-93-182] P93-10183 06

GAS JETS

HUBBLE DISCOVERS A DOUBLE NUCLEUS IN CORE OF ACTIVE GALAXY
[NASA RELEASE-93-6] P93-10007 06

HUBBLE SEES GAS SHELL AROUND NOVA CYGNI 1992
[NASA RELEASE-93-174] P93-10175 06

GAS TURBINE ENGINES

S DUCTED FAN ENGINES
S F404 ENGINE
S JET ENGINES

GASES

S ATMOSPHERIC COMPOSITION
S CARBON DIOXIDE
S CARBON MONOXIDE
S DEUTERIUM
S HYDROGEN
S INTERSTELLAR GAS
S OZONE
S XENON

GEMINGA

SUPERNOVA MAY HAVE CAUSED HUGE VOID AROUND SOLAR SYSTEM
[NASA RELEASE-93-36] P93-10037 06

GENERAL AVIATION

NASA OSHKOSH EXHIBIT HIGHLIGHTS U.S. 'LEADERSHIP IN AERONAUTICS'
[NASA RELEASE-93-128] P93-10129 06

GENERAL DYNAMICS CORP.

INDUSTRY TESTS NASA COMPUTER PROGRAMS FOR EFFICIENT DESIGNING
[NASA RELEASE-93-90] P93-10091 06

GENERAL ELECTRIC CO.

INDUSTRY TESTS NASA COMPUTER PROGRAMS FOR EFFICIENT DESIGNING
[NASA RELEASE-93-90] P93-10091 06

GENERAL ELECTRIC CO., EVANDALE, OHIO

NASA SAVES \$1 MILLION ON AERONAUTICS RESEARCH PROJECT
[NASA RELEASE-93-35] P93-10036 06

GENERAL SERVICES ADMINISTRATION

YELLOW CREEK FACILITIES TARGETED FOR SHUTTLE NOZZLE WORK
[NASA RELEASE-93-215] P93-10216 06

GENETICS

SHUTTLE RAT EXPERIMENT YIELDS UNEXPECTED RESULTS
[NASA RELEASE-93-181] P93-10182 06

GENETICS AND GROWTH

SHUTTLE RAT EXPERIMENT YIELDS UNEXPECTED RESULTS
[NASA RELEASE-93-181] P93-10182 06

GEOCHEMISTRY

DANTE ROBOT TO EXPLORE ACTIVE ALASKA VOLCANO IN SPRING
[NASA RELEASE-93-195] P93-10196 06

NASA-RUSSIAN MISSION EXPLORES KAMCHATKAN VOLCANOES
[NASA RELEASE-93-198] P93-10199 06

GEOYNAMICS

NASA SCIENTISTS CREATE EARTH BREATHING IMAGE
[NASA RELEASE-93-223] P93-10224 06

GEOGRAPHIC INFORMATION SYSTEMS

NASA STUDY REFINES ESTIMATES OF AMAZON DEFORESTATION
[NASA RELEASE-93-119] P93-10120 06

GLOBAL POSITIONING SYSTEM

GEOLOGICAL SURVEY OBS., FLAGSTAFF, ARIZ.

CLEMENTINE MISSION SCIENCE TEAM SELECTED
[NASA RELEASE-93-66] P93-10067 06

NASA NAMES TEAM TO STUDY RETURN TRIP TO MARS
[NASA RELEASE-93-157] P93-10158 06

GEOLOGICAL SURVEY, U.S.

NASA NAMES IMAGING PRINCIPAL INVESTIGATOR FOR MESUR PATHFINDER
[NASA RELEASE-93-146] P93-10147 06

HUBBLE INVESTIGATES COMET ON A COLLISION COURSE WITH JUPITER
[NASA RELEASE-93-188] P93-10189 06

DANTE ROBOT TO EXPLORE ACTIVE ALASKA VOLCANO IN SPRING
[NASA RELEASE-93-195] P93-10196 06

GEOLOGY

SA GEOCHEMISTRY
SA GEODYNAMICS
SA GEOMORPHOLOGY
SA GEOPHYSICS
SA TECTONICS
SA VOLCANOLOGY

MAGELLAN AEROBRAKING, GRAVITY STUDIES UNDERWAY
[NASA RELEASE-93-98] P93-10099 06

NASA-RUSSIAN MISSION EXPLORES KAMCHATKAN VOLCANOES
[NASA RELEASE-93-198] P93-10199 06

GEOMORPHOLOGY

NASA-RUSSIAN MISSION EXPLORES KAMCHATKAN VOLCANOES
[NASA RELEASE-93-198] P93-10199 06

GEOPHYSICS

DANTE ROBOT TO EXPLORE ACTIVE ALASKA VOLCANO IN SPRING
[NASA RELEASE-93-195] P93-10196 06

GEORGE C. MARSHALL SPACE FLIGHT CENTER

S MARSHALL SPACE FLIGHT CENTER, ALA.

GEORGE WASHINGTON UNIV., WASHINGTON, D.C.

REMARKS GIVEN TO JOHN LOGSTONE SPACE POLICY CLASS; GEORGE WASHINGTON UNIVERSITY
P93-10248 05

GERMAN SATELLITES

S ROSAT /GERMAN SATELLITE/

GERMAN SPACE AGENCY

SECOND GERMAN SPACELAB MISSION IS SPACE SHUTTLE'S 54TH FLIGHT
[NASA RELEASE-93-20] P93-10021 06

INTERNATIONAL MARS EXPLORATION GROUP FORMED
[NASA RELEASE-93-87] P93-10088 06

NASA AND GERMAN SPACE AGENCY SIGN SPACE AGREEMENT
[NASA RELEASE-93-129] P93-10130 06

GETAWAY SPECIALS

PRIME AND BACKUP COSMONAUTS NAMED FOR SHUTTLE STS-60 MISSION
[NASA RELEASE-93-61] P93-10062 06

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57 SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

GINGA SATELLITE

MYSTERY OF 'FASTEST FLICKERING' GALAXY SOLVED
[NASA RELEASE-93-192] P93-10193 06

GIS /INFORMATION SYSTEMS/

S GEOGRAPHIC INFORMATION SYSTEMS

GLASS

JPL TEAM DEVELOPS SPECIAL POLLUTION DETECTION GLASS
[NASA RELEASE-93-209] P93-10210 06

GLOBAL CHANGE PROGRAM

NASA AWARDS CONTRACT FOR EOSDIS CORE SYSTEM
[NASA RELEASE-93-56] P93-10057 06

GLOBAL POSITIONING SYSTEM

FLIGHT TESTS PROVE SIMPLER SATELLITE-GUIDED AUTOLAND METHOD
[NASA RELEASE-93-165] P93-10166 06

GLOBAL WARMING

NASA SCIENTISTS CREATE EARTH BREATHING
IMAGE
[NASA RELEASE-93-223] P93-10224 06

GLOBAL CLUSTERS

HUBBLE LOOKS AT THE HEART OF A GALAXY
COLLISION
[NASA RELEASE-93-97] P93-10098 06
HUBBLE FINDS EVIDENCE OF STELLAR CLOSE
ENCOUNTERS
[NASA RELEASE-93-109] P93-10110 06
HUBBLE IDENTIFIES A SOURCE OF MYSTERIOUS
X-RAY BURSTS
[NASA RELEASE-93-156] P93-10157 06

GODDARD INST. FOR SPACE STUDIES, N.Y.

NASA HELPS PROVIDE FAMINE EARLY WARNING
FOR AFRICA
[NASA RELEASE-93-213] P93-10214 06

GODDARD SPACE FLIGHT CTR., GREENBELT, MD.

SA NATIONAL SPACE SCIENCE DATA CENTER,
GSFC

MYSTERIOUS CONCENTRATION OF DARK MATTER
DISCOVERED
[NASA RELEASE-93-1] P93-10001 06

BIG BANG THEORY PASSES TOUGHEST TEST
[NASA RELEASE-93-5] P93-10006 06

1992 ANTARCTIC OZONE DEPLETION AS SEVERE
AS ANY PREVIOUS YEAR
[NASA RELEASE-93-13] P93-10014 06

ASTRO-D MISSION TO LAUNCH TONIGHT IN
JAPAN
[NASA RELEASE-93-28] P93-10029 06

SUPERNOVA MAY HAVE CAUSED HUGE VOID
AROUND SOLAR SYSTEM
[NASA RELEASE-93-36] P93-10037 06

NASA/OHIO AEROSPACE INSTITUTE TO HOST
CYBERSPACE CONFERENCE
[NASA RELEASE-93-50] P93-10051 06

EVIDENCE POINTS TO OCEANS, LIGHTNING ON
EARLY VENUS
[NASA RELEASE-93-51] P93-10052 06

NASA TDRSS NETWORK MARKS 10 YEARS OF
OPERATION
[NASA RELEASE-93-60] P93-10061 06

SCIENTISTS REVEAL NATURE OF EXPLODING, RED
SUPERGIANT STAR
[NASA RELEASE-93-63] P93-10064 06

CLEMENTINE MISSION SCIENCE TEAM SELECTED
[NASA RELEASE-93-66] P93-10067 06

OZONE DESTROYING CHLORINE EXISTED LONGER
IN 1992-93 WINTER
[NASA RELEASE-93-68] P93-10069 06

NASA SATELLITE DATA SHAKE THEORIES ON
GAMMA-RAY BURSTS
[NASA RELEASE-93-72] P93-10073 06

1992-93 GLOBAL OZONE LEVELS LOWER THAN ANY
PREVIOUS YEAR
[NASA RELEASE-93-74] P93-10075 06

SCIENTISTS LOCATE NEW RADIATION BELT
AROUND EARTH
[NASA RELEASE-93-94] P93-10095 06

NASA TO COMMERCIALIZE REMOTE-CONTROL
TECHNOLOGY
[NASA RELEASE-93-100] P93-10101 06

NEW DISCOVERIES BY NASA'S EUV EXPLORER
PRESENTED
[NASA RELEASE-93-105] P93-10106 06

NASA SELECTS UPPER ATMOSPHERE
INVESTIGATORS
[NASA RELEASE-93-123] P93-10124 06

COMPTON OBSERVATORY DISCOVERS INTENSE,
NEW X-RAY PULSAR
[NASA RELEASE-93-141] P93-10142 06

COBE 'BIG BANG' DATA MADE AVAILABLE TO
SCIENTIFIC COMMUNITY
[NASA RELEASE-93-145] P93-10146 06

CONTROLLERS LOSE CONTACT WITH NOAA-13
SATELLITE
[NASA RELEASE-93-151] P93-10152 06

NASA/NOAA PANEL TO INVESTIGATE NOAA-13
FAILURE
[NASA RELEASE-93-154] P93-10155 06

NASA NAMES TEAM TO STUDY RETURN TRIP TO
MARS
[NASA RELEASE-93-157] P93-10158 06

SATELLITE DATA GET NEW LEASE ON LIFE FROM
SOFTWARE BOOST
[NASA RELEASE-93-164] P93-10165 06

NASA SELECTS SECOND SET OF SMALL EXPLORER
MISSIONS
[NASA RELEASE-93-168] P93-10169 06

HUBBLE INSTRUMENT MAY RECEIVE FURTHER
TESTING
[NASA RELEASE-93-169] P93-10170 06

COMPTON GAMMA-RAY OBSERVATORY TO GET
ORBIT BOOST
[NASA RELEASE-93-179] P93-10180 06

GAMMA-RAY OBSERVATORY PRODUCES THREE
MAJOR DISCOVERIES
[NASA RELEASE-93-182] P93-10183 06

NASA SELECTS FLIGHT TECHNOLOGY
PROPOSALS
[NASA RELEASE-93-186] P93-10187 06

1993 ANTARCTIC OZONE HOLE REACHES RECORD
LOWS
[NASA RELEASE-93-190] P93-10191 06

MYSTERY OF 'FASTEST FLICKERING' GALAXY
SOLVED
[NASA RELEASE-93-192] P93-10193 06

IO'S 'GHOST' DETECTED ON JUPITER
[NASA RELEASE-93-208] P93-10209 06

NASA SUCCEEDS WITH GAMMA-RAY
OBSERVATORY REBOOST
[NASA RELEASE-93-224] P93-10225 06

NASA ENDS COSMIC BACKGROUND EXPLORER
SCIENCE OPERATIONS
[NASA RELEASE-93-228] P93-10229 06

GOOD SAMARITAN HOSPITAL, PORTLAND, OR

NASA AND NIDCD SELECT VESTIBULAR RESEARCH
CENTER
[NASA RELEASE-93-111] P93-10112 06

GRANTS

SA NATIONAL SPACE GRANT COLL./FELLOWSHIP
PRG.

NASA BOOSTS HYPERSONIC RESEARCH WITH
UNIVERSITY GRANTS
[NASA RELEASE-93-152] P93-10153 06

NASA TAPS 20 SCHOOLS FOR AERONAUTICS
ENGINEERING GRANTS
[NASA RELEASE-93-210] P93-10211 06

GRAPES PROJECT

NASA AND CALIFORNIA WINE GROWERS JOINTLY
BATTLE PEST DAMAGE
[NASA RELEASE-93-55] P93-10056 06

GRAVITATIONAL FIELDS

THREE SPACECRAFT TO CONDUCT 3-WEEK
GRAVITATIONAL WAVE SEARCH
[NASA RELEASE-93-48] P93-10049 06

MAGELLAN TO TEST AEROBRAKING MANEUVER IN
VENUS ATMOSPHERE
[NASA RELEASE-93-89] P93-10090 06

MAGELLAN AEROBRAKING, GRAVITY STUDIES
UNDERWAY
[NASA RELEASE-93-98] P93-10099 06

MAGELLAN AEROBRAKING AT VENUS A SUCCESS
[NASA RELEASE-93-144] P93-10145 06

GRAVITATIONAL PHYSIOLOGY

NASA STUDY MAY HELP REDUCE
LIGHTEADEDNESS AFTER SPACE FLIGHT
[NASA RELEASE-93-30] P93-10031 06

METABOLIC SPACEWALK STUDIES SUBJECT OF
AMES RESEARCH
[NASA RELEASE-93-93] P93-10094 06

STS-58 SECOND SPACELAB MISSION DEDICATED
TO LIFE SCIENCES
[NASA RELEASE-93-136] P93-10136 06

SHUTTLE RAT EXPERIMENT YIELDS UNEXPECTED
RESULTS
[NASA RELEASE-93-181] P93-10182 06

GRAVITATIONAL WAVES

THREE SPACECRAFT TO CONDUCT 3-WEEK
GRAVITATIONAL WAVE SEARCH
[NASA RELEASE-93-48] P93-10049 06

GRAVITY

MAGELLAN AEROBRAKING AT VENUS A SUCCESS
[NASA RELEASE-93-144] P93-10145 06

GREAT LAKES INDUSTRIAL TECHNOLOGY CENTER
S BATTLE MEMORIAL INST., COLUMBUS, OHIO

GREENHOUSE EFFECT

EVIDENCE POINTS TO OCEANS, LIGHTNING ON
EARLY VENUS
[NASA RELEASE-93-51] P93-10052 06

NASA STUDY REFINES ESTIMATES OF AMAZON
DEFORESTATION
[NASA RELEASE-93-119] P93-10120 06

NASA SCIENTISTS CREATE EARTH BREATHING
IMAGE
[NASA RELEASE-93-223] P93-10224 06

GRO /SPACEBORNE OBSERVATORY/

S GAMMA RAY OBSERVATORY

GROUND STATIONS

NASA GROUND TERMINALS RECEIVE NATIVE
AMERICAN NAMES
[NASA RELEASE-93-83] P93-10084 06

GROUND SUPPORT EQUIPMENT

S TRACKING AND DATA ACQUISITION

GROUND SYSTEMS

NASA/FAA RESEARCH AIMS AT MORE EFFICIENT
AIRSPACE OPERATIONS
[NASA RELEASE-93-172] P93-10173 06

GRUMMAN AEROSPACE CORP.

SPACE STATION HOST CENTER AND PRIME
CONTRACTOR ANNOUNCED
[NASA RELEASE-93-148] P93-10149 06

GRUMMAN CORP.

INDUSTRY TESTS NASA COMPUTER PROGRAMS
FOR EFFICIENT DESIGNING
[NASA RELEASE-93-90] P93-10091 06

GSA

S GENERAL SERVICES ADMINISTRATION

GSFC

S GODDARD SPACE FLIGHT CTR., GREENBELT,
MD.

GTE GOVERNMENT SYSTEMS CORP., MASS.

NASA TDRSS NETWORK MARKS 10 YEARS OF
OPERATION
[NASA RELEASE-93-60] P93-10061 06

GUATEMALA

NASA AND CENTRAL AMERICA WILL EXPAND RAIN
FOREST STUDIES
[NASA RELEASE-93-47] P93-10048 06

GUIDANCE AND CONTROL

FLIGHT TESTS PROVE SIMPLER SATELLITE-GUIDED
AUTOLAND METHOD
[NASA RELEASE-93-165] P93-10166 06

GUIDANCE AND NAVIGATION SYSTEMS

FLIGHT TESTS PROVE SIMPLER SATELLITE-GUIDED
AUTOLAND METHOD
[NASA RELEASE-93-165] P93-10166 06

GULF STREAM

TOPEX POSEIDON MAPS PRECISE GLOBAL SEA
LEVEL
[NASA RELEASE-93-122] P93-10123 06

GYROSCOPES

HUBBLE TELESCOPE SERVICING MISSION
SCHEDULED FOR ELEVEN DAYS
[NASA RELEASE-93-76] P93-10077 06

H

HAMPTON UNIV., VA.

MINORITY STUDENTS APPRENTICE ON SPACE
RESEARCH
[NASA RELEASE-93-116] P93-10117 06

HANDLING

S MATERIALS HANDLING

HAWAII UNIV.

HUBBLE FINDS A DOUBLE NUCLEUS IN THE
ANDROMEDA GALAXY
[NASA RELEASE-93-133] P93-10134 06

NITROGEN ICE DISCOVERED ON PLUTO
[NASA RELEASE-93-142] P93-10143 06

IO'S 'GHOST' DETECTED ON JUPITER
[NASA RELEASE-93-208] P93-10209 06

HAWAII UNIV., HONOLULU
CLEMENTINE MISSION SCIENCE TEAM SELECTED
[NASA RELEASE-93-66] P93-10067 06

HEADQUARTERS, NASA, WASHINGTON, D.C.
NEW TECHNOLOGY REINVESTMENT PROJECT
SEMINAR SET FOR APRIL 1
[NASA RELEASE-93-57] P93-10058 06

TWO ASTRONAUTS APPOINTED TO
HEADQUARTERS POSITIONS
[NASA RELEASE-93-120] P93-10121 06

NASA, FAA CONSIDER REVISED WINDSHEAR
PILOTING PROCEDURES
[NASA RELEASE-93-171] P93-10172 06

NASA/FAA RESEARCH AIMS AT MORE EFFICIENT
AIRSPACE OPERATIONS
[NASA RELEASE-93-172] P93-10173 06

NASA PRESS CONFERENCE: SPACE STATION
REDESIGN; NASA HEADQUARTERS BUILDING,
WASHINGTON, DC P93-10233 05

HEART RATE
NASA SPACE SUIT AND MEDICAL TECHNOLOGIES
HONORED
[NASA RELEASE-93-69] P93-10070 06

HEAT FLOW
S HEAT TRANSFER

HEAT SHIELDS
SHUTTLE TILE MATERIAL MAY HELP IN BONE
TRANSPLANTS
[NASA RELEASE-93-102] P93-10103 06

HEAT RESISTANCE
PRIME AND BACKUP COSMONAUTS NAMED FOR
SHUTTLE STS-60 MISSION
[NASA RELEASE-93-61] P93-10062 06

HELICOPTERS
NASA TESTS HELICOPTER MODEL IN ICING
CONDITIONS
[NASA RELEASE-93-147] P93-10148 06

HELIOPAUSE
VOYAGER SPACECRAFT FIND CLUE TO ANOTHER
SOLAR SYSTEM MYSTERY
[NASA RELEASE-93-99] P93-10100 06

HELIOSPHERE
PIONEER CELEBRATES 10 YEARS BEYOND THE
KNOWN SOLAR PLANETS
[NASA RELEASE-93-110] P93-10111 06

HERIOTT-WATT UNIV., EDINBURGH, SCOTLAND
OZONE DESTROYING CHLORINE EXISTED LONGER
IN 1992-93 WINTER
[NASA RELEASE-93-68] P93-10069 06

HERNANDEZ ENGINEERING
MINORITY CONTRACTORS OF THE YEAR AWARDS
ANNOUNCED
[NASA RELEASE-93-177] P93-10178 06

HIGH ALPHA PROGRAM
NASA SAVES \$1 MILLION ON AERONAUTICS
RESEARCH PROJECT
[NASA RELEASE-93-35] P93-10036 06

HIGH ANGLE-OF-ATTACK PROGRAM
S HIGH ALPHA PROGRAM

HIGH RESOLUTION MICROWAVE SURVEY /HRMS/
NASA USES NEW METHOD TO DETECT NEW STARS
AND PLANETS
[NASA RELEASE-93-106] P93-10107 06

HIGH SPEED PHOTOMETERS
HUBBLE IDENTIFIES A SOURCE OF MYSTERIOUS
X-RAY BURSTS
[NASA RELEASE-93-156] P93-10157 06

HIGH TECH./SMALL BUS. DEV. PROCURMT. CONF.
NASA CO-SPONSORS HIGH-TECH SMALL BUSINESS
CONFERENCE
[NASA RELEASE-93-29] P93-10030 06

HIGH-SPEED RESEARCH PROGRAM
NASA TO DEVELOP TECHNOLOGY FOR FUTURE
HIGH-SPEED TRANSPORTS
[NASA RELEASE-93-52] P93-10053 06

NASA SR-71 NOW A FLYING OBSERVATORY
[NASA RELEASE-93-71] P93-10072 06

NASA TO FEATURE VIDEOWALL AT PARIS AIR
SHOW
[NASA RELEASE-93-92] P93-10093 06

NASA AWARDS HIGH-SPEED AIR TRANSPORT
MATERIALS STUDY CONTRACTS
[NASA RELEASE-93-124] P93-10125 06

NASA STARTS PHASE II OF SUPERSONIC AIRLINER
EFFORT
[NASA RELEASE-93-202] P93-10203 06

HONDURAS
NASA AND CENTRAL AMERICA WILL EXPAND RAIN
FOREST STUDIES
[NASA RELEASE-93-47] P93-10048 06

HONEYWELL, INC.
NASA SYSTEM RESEARCH AIRCRAFT MAKES FIRST
TEST FLIGHT
[NASA RELEASE-93-95] P93-10096 06

COCKPIT WEATHER SYSTEM MAY SAVE AIRLINES
\$6 MILLION PER YEAR
[NASA RELEASE-93-194] P93-10195 06

HOUSTON UNIV., TEX.
SPACE STATION REDESIGN ADVISORY MEMBERS
NAMED
[NASA RELEASE-93-59] P93-10060 06

HRMS
S HIGH RESOLUTION MICROWAVE SURVEY
/HRMS/

HUBBLE SPACE TELESCOPE
HUBBLE DISCOVERS A DOUBLE NUCLEUS IN CORE
OF ACTIVE GALAXY
[NASA RELEASE-93-6] P93-10007 06

SPACEWALK ADDED TO JULY SPACE SHUTTLE
FLIGHT
[NASA RELEASE-93-21] P93-10022 06

HUBBLE TELESCOPE SERVICING MISSION
SCHEDULED FOR ELEVEN DAYS
[NASA RELEASE-93-76] P93-10077 06

NASA TO FEATURE VIDEOWALL AT PARIS AIR
SHOW
[NASA RELEASE-93-92] P93-10093 06

HUBBLE SERVICING MISSION STUDY COMPLETED
[NASA RELEASE-93-96] P93-10097 06

HUBBLE LOOKS AT THE HEART OF A GALAXY
COLLISION
[NASA RELEASE-93-97] P93-10098 06

HUBBLE CLOSING IN ON AGE OF THE UNIVERSE
[NASA RELEASE-93-108] P93-10109 06

HUBBLE FINDS EVIDENCE OF STELLAR CLOSE
ENCOUNTERS
[NASA RELEASE-93-109] P93-10110 06

HUBBLE SUPPORTS BLACK HOLE MODEL FOR
ACTIVE GALAXIES
[NASA RELEASE-93-130] P93-10131 06

HUBBLE FINDS A DOUBLE NUCLEUS IN THE
ANDROMEDA GALAXY
[NASA RELEASE-93-133] P93-10134 06

HUBBLE IDENTIFIES A SOURCE OF MYSTERIOUS
X-RAY BURSTS
[NASA RELEASE-93-156] P93-10157 06

HUBBLE INSTRUMENT MAY RECEIVE FURTHER
TESTING
[NASA RELEASE-93-169] P93-10170 06

HUBBLE SEES GAS SHELL AROUND NOVA CYGNI
1992
[NASA RELEASE-93-174] P93-10175 06

HUBBLE INVESTIGATES COMET ON A COLLISION
COURSE WITH JUPITER
[NASA RELEASE-93-188] P93-10189 06

HUBBLE DEEP-SKY SURVEY FINDS INTERACTING
GALAXIES IN A CLUSTER
[NASA RELEASE-93-203] P93-10204 06

FIVE SPACEWALKS TO SERVICE HUBBLE SPACE
TELESCOPE HIGHLIGHTS SHUTTLE MISSION STS-61
[NASA RELEASE-93-204] P93-10205 06

HST SERVICING MISSION HIGHLIGHTS 1993 NASA
ACCOMPLISHMENTS
[NASA RELEASE-93-226] P93-10227 06

MUTUAL BROADCASTING SYSTEM'S 'THE LARRY
KING SHOW': INTERVIEW WITH DAN GOLDIN
P93-10249 05

HUGH L. DRYDEN FLIGHT RESEARCH CENTER
S DRYDEN FLIGHT RESEARCH FACILITY, CALIF.

HUGHES AIRCRAFT CO.
SPACE STATION REDESIGN ADVISORY MEMBERS
NAMED
[NASA RELEASE-93-59] P93-10060 06

HUGHES AIRCRAFT CO., LOS ANGELES, CALIF.
NASA NAMES TEAM TO STUDY RETURN TRIP TO
MARS
[NASA RELEASE-93-157] P93-10158 06

HUGHES APPLIED INFORMATION SYS., INC., MD
NASA AWARDS CONTRACT FOR EOSDIS CORE
SYSTEM
[NASA RELEASE-93-56] P93-10057 06

HUGHES STX, INC., GREENBELT, MD
IO'S 'GHOST' DETECTED ON JUPITER
[NASA RELEASE-93-208] P93-10209 06

HUGHES TECHNICAL SERVICES CO., CALIF.
NASA AWARDS CONTRACT FOR EOSDIS CORE
SYSTEM
[NASA RELEASE-93-56] P93-10057 06

HUMAN RESEARCH
S BIOTECHNOLOGY

HYDROCARBONS
SA POLYCYCLIC AROMATIC HYDROCARBONS
DIAMONDS IN THE SKY CHALLENGE GALAXY
EVOLUTION THEORIES
[NASA RELEASE-93-58] P93-10059 06

HYDROGEN
SA DEUTERIUM
FROZEN MOLECULAR HYDROGEN DISCOVERED IN
STELLAR NURSERY
[NASA RELEASE-93-187] P93-10188 06

HYDROGEN CLOUDS
SUPERNOVA MAY HAVE CAUSED HUGE VOID
AROUND SOLAR SYSTEM
[NASA RELEASE-93-36] P93-10037 06

HYPERSONIC AIRCRAFT
NASA BOOSTS HYPERSONIC RESEARCH WITH
UNIVERSITY GRANTS
[NASA RELEASE-93-152] P93-10153 06

HYPERSONICS
NASA BOOSTS HYPERSONIC RESEARCH WITH
UNIVERSITY GRANTS
[NASA RELEASE-93-152] P93-10153 06

NASA AND RUSSIA SIGN AERONAUTICS
AGREEMENT IN MOSCOW
[NASA RELEASE-93-221] P93-10222 06

ICE
EVIDENCE FOR SOLID WATER FOUND ON
JUPITER'S MOON IO
[NASA RELEASE-93-107] P93-10108 06

NASA TESTS HELICOPTER MODEL IN ICING
CONDITIONS
[NASA RELEASE-93-147] P93-10148 06

ICE FORMATION
NASA TESTS HELICOPTER MODEL IN ICING
CONDITIONS
[NASA RELEASE-93-147] P93-10148 06

ICING
S ICE FORMATION

ICING RESEARCH TUNNEL /LERC/
NASA TESTS HELICOPTER MODEL IN ICING
CONDITIONS
[NASA RELEASE-93-147] P93-10148 06

ILLINOIS
NASA PROVIDING MIDWEST FLOODING
INFORMATION
[NASA RELEASE-93-134] P93-10135 06

IMAGE ANALYSIS
HUBBLE FINDS A DOUBLE NUCLEUS IN THE
ANDROMEDA GALAXY
[NASA RELEASE-93-133] P93-10134 06

IMAGE PROCESSING
SA NEW SPECTRAL IMAGING PROCESSING
SYSTEM
COMPUTER PROGRAM WILL CATALOG
ASTRONOMICAL SKY SURVEY
[NASA RELEASE-93-67] P93-10068 06

IMAGING COMPTON TELESCOPE

SUBJECT INDEX

| | | | | | |
|---|--------------|---|--------------|---|--------------|
| NASA PROVIDING MIDWEST FLOODING INFORMATION [NASA RELEASE-93-134] | P93-10135 06 | INFRARED DETECTORS NEW WINDSHEAR SENSORS A GOVERNMENT-INDUSTRY 'SUCCESS STORY' [NASA RELEASE-93-170] | P93-10171 06 | NASA BOOSTS HYPERSONIC RESEARCH WITH UNIVERSITY GRANTS [NASA RELEASE-93-152] | P93-10153 06 |
| IMAGING COMPTON TELESCOPE GAMMA-RAY OBSERVATORY PRODUCES THREE MAJOR DISCOVERIES [NASA RELEASE-93-182] | P93-10183 06 | NASA, FAA CONSIDER REVISED WINDSHEAR PILOTING PROCEDURES [NASA RELEASE-93-171] | P93-10172 06 | INTERFACIAL DYNAMICS CORP., OREGON CONSORT 6 LAUNCH DATE SET [NASA RELEASE-93-22] | P93-10023 06 |
| IMAGING TECHNIQUES NASA AND SUPRA MEDICAL CORP. TO DEVELOP ULTRASOUND DETECTOR [NASA RELEASE-93-125] | P93-10126 06 | INFRARED PHOTOGRAPHY NASA PROVIDING MIDWEST FLOODING INFORMATION [NASA RELEASE-93-134] | P93-10135 06 | INTERNAL COMBUSTION ENGINES S DUCTED FAN ENGINES S F404 ENGINE S JET ENGINES | |
| NASA PROVIDING MIDWEST FLOODING INFORMATION [NASA RELEASE-93-134] | P93-10135 06 | INFRARED RADIATION NASA AND GERMAN SPACE AGENCY SIGN SPACE AGREEMENT [NASA RELEASE-93-129] | P93-10130 06 | INTERNATIONAL AEROSPACE MACHINISTS UNION INTERVIEW WITH MATT BATES, INTERNATIONAL AEROSPACE MACHINISTS UNION; ACR HEADQUARTERS, WASHINGTON, DC | P93-10245 05 |
| NASA ADAPTING UNIQUE X-RAY SYSTEM TO INSPECT AIRCRAFT [NASA RELEASE-93-137] | P93-10138 06 | INFRARED SCANNER NASA-RUSSIAN MISSION EXPLORES KAMCHATKAN VOLCANOES [NASA RELEASE-93-198] | P93-10199 06 | INTERNATIONAL AGREEMENTS NASA AND RUSSIA SIGN AERONAUTICS AGREEMENT IN MOSCOW [NASA RELEASE-93-221] | P93-10222 06 |
| IMPACT DAMAGE HUBBLE INVESTIGATES COMET ON A COLLISION COURSE WITH JUPITER [NASA RELEASE-93-188] | P93-10189 06 | INFRARED SPECTRA EVIDENCE FOR SOLID WATER FOUND ON JUPITER'S MOON IO [NASA RELEASE-93-107] | P93-10108 06 | NASA AND RUSSIAN SPACE AGENCY SIGN AGREEMENT FOR ADDITIONAL SPACE SHUTTLE/MIR MISSIONS [NASA RELEASE-93-222] | P93-10223 06 |
| IMPERIAL COLLEGE, LONDON, ENGLAND ULYSSES REACHES UNEXPLORED REGIONS OF SUN [NASA RELEASE-93-217] | P93-10218 06 | INFRARED SPECTROMETER NASA AND GERMAN SPACE AGENCY SIGN SPACE AGREEMENT [NASA RELEASE-93-129] | P93-10130 06 | INTERNATIONAL COOPERATION AAAS TO HONOR NASA SCIENTIST FOR OZONE RESEARCH [NASA RELEASE-93-26] | P93-10027 06 |
| IN-SPACE TECHNOLOGY EXPERIMENTS PROGRAM NASA SELECTS FLIGHT TECHNOLOGY PROPOSALS [NASA RELEASE-93-186] | P93-10187 06 | INFRARED TELESCOPES NASA AND GERMAN SPACE AGENCY SIGN SPACE AGREEMENT [NASA RELEASE-93-129] | P93-10130 06 | ASTRO-D MISSION TO LAUNCH TONIGHT IN JAPAN [NASA RELEASE-93-28] | P93-10029 06 |
| IN-STEP /PROGRAM/ S IN-SPACE TECHNOLOGY EXPERIMENTS PROGRAM | | FROZEN MOLECULAR HYDROGEN DISCOVERED IN STELLAR NURSERY [NASA RELEASE-93-187] | P93-10188 06 | NASA BUDGET BOOSTS TECHNOLOGY, PROMISES IMPROVED SPACE STATION PROGRAM [NASA RELEASE-93-32] | P93-10033 06 |
| INDIAN OCEAN TOPEX POSEIDON MAPS PRECISE GLOBAL SEA LEVEL [NASA RELEASE-93-122] | P93-10123 06 | INLET FLOW NASA SAVES \$1 MILLION ON AERONAUTICS RESEARCH PROJECT [NASA RELEASE-93-35] | P93-10036 06 | NASA AND CENTRAL AMERICA WILL EXPAND RAIN FOREST STUDIES [NASA RELEASE-93-47] | P93-10048 06 |
| INDICATING INSTRUMENTS S ATTITUDE INDICATORS S SPEED INDICATORS | | INNOVATIONS S INVENTIONS | | THREE SPACECRAFT TO CONDUCT 3-WEEK GRAVITATIONAL WAVE SEARCH [NASA RELEASE-93-48] | P93-10049 06 |
| INDUSTRIAL APPLICATIONS S TECHNOLOGY UTILIZATION PROGRAM | | INSECTS NASA AND CALIFORNIA WINE GROWERS JOINTLY BATTLE PEST DAMAGE [NASA RELEASE-93-55] | P93-10056 06 | PRIME AND BACKUP COSMONAUTS NAMED FOR SHUTTLE STS-60 MISSION [NASA RELEASE-93-61] | P93-10062 06 |
| INDUSTRIAL APPLICATIONS ADVISORY COMMITTEE LEWIS, CASE, BATTELLE TO COMMERCIALIZE NASA INVENTIONS [NASA RELEASE-93-91] | P93-10092 06 | NASA HELPS PROVIDE FAMINE EARLY WARNING FOR AFRICA [NASA RELEASE-93-213] | P93-10214 06 | NASA AND THE RUSSIAN SPACE AGENCY SIGN MARS '94 CONTRACT [NASA RELEASE-93-62] | P93-10063 06 |
| INDUSTRIAL COOPERATION LEWIS, CASE, BATTELLE TO COMMERCIALIZE NASA INVENTIONS [NASA RELEASE-93-91] | P93-10092 06 | INSTITUTE FOR SPACE/ASTRONAUTIC SCI., JAP. ASTRO-D MISSION TO LAUNCH TONIGHT IN JAPAN [NASA RELEASE-93-28] | P93-10029 06 | GIBBONS OUTLINES SPACE STATION REDESIGN GUIDANCE [NASA RELEASE-93-64] | P93-10065 06 |
| NEW WINDSHEAR SENSORS A GOVERNMENT-INDUSTRY 'SUCCESS STORY' [NASA RELEASE-93-170] | P93-10171 06 | INSTITUTE OF AEROSPACE SCIENCES S AMERICAN INST. OF AERON. AND ASTRONAUTICS | | NASA AMES TO DRIVE RUSSIAN ROBOT VIA SATELLITE [NASA RELEASE-93-84] | P93-10085 06 |
| ARCHITECT OF NASA TECHNOLOGY INCUBATORS TO RECEIVE AWARD [NASA RELEASE-93-176] | P93-10177 06 | INSTITUTE OF BIOMEDICAL PROBLEMS, U.S.S.R. U.S./RUSSIAN SPACE AGENCIES HOOKING SCIENCE NETWORKS [NASA RELEASE-93-196] | P93-10197 06 | INTERNATIONAL MARS EXPLORATION GROUP FORMED [NASA RELEASE-93-87] | P93-10088 06 |
| NASA SELECTS FLIGHT TECHNOLOGY PROPOSALS [NASA RELEASE-93-186] | P93-10187 06 | INSTRUMENT LANDING SYSTEMS S AUTOMATIC LANDING CONTROL | | NASA TO FEATURE VIDEOWALL AT PARIS AIR SHOW [NASA RELEASE-93-92] | P93-10093 06 |
| TECHNOLOGY 2003 TO HIGHLIGHT NEW TECHNOLOGICAL DISCOVERIES [NASA RELEASE-93-212] | P93-10213 06 | INSTRUMENT PACKAGES UNIVERSITIES FLY OZONE RESEARCH BALLOON FROM TEXAS TO FLA. [NASA RELEASE-93-8] | P93-10009 06 | STATION REDESIGN TEAM TO SUBMIT FINAL REPORT [NASA RELEASE-93-104] | P93-10105 06 |
| TRANSCRIPT: REMARKS BY DANIEL S. GOLDIN ON NASA TELEVISION [NASA RELEASE-93-230] | P93-10230 05 | INSTRUMENTATION S SPACECRAFT INSTRUMENTS | | NASA AND GERMAN SPACE AGENCY SIGN SPACE AGREEMENT [NASA RELEASE-93-129] | P93-10130 06 |
| INERT GASES S XENON | | INTERAGENCY COOPERATION NASA, OTHER AGENCIES TO EXPLAIN TECHNOLOGY REINVESTMENT [NASA RELEASE-93-65] | P93-10066 06 | HUBBLE IDENTIFIES A SOURCE OF MYSTERIOUS X-RAY BURSTS [NASA RELEASE-93-156] | P93-10157 06 |
| INFORMATION SYSTEMS SA GEOGRAPHIC INFORMATION SYSTEMS NASA/OHIO AEROSPACE INSTITUTE TO HOST CYBERSPACE CONFERENCE [NASA RELEASE-93-50] | P93-10051 06 | TECHNOLOGY TRANSFER CENTER TO WORK WITH SDIO TO AID INDUSTRY [NASA RELEASE-93-77] | P93-10078 06 | CREW MEMBERS SELECTED FOR STS-63 SHUTTLE SPACEHAB-3 FLIGHT [NASA RELEASE-93-161] | P93-10162 06 |
| NASA AWARDS CONTRACT FOR EOSDIS CORE SYSTEM [NASA RELEASE-93-56] | P93-10057 06 | SOLICITATION ISSUED FOR TECHNOLOGY REINVESTMENT PROPOSALS [NASA RELEASE-93-85] | P93-10086 06 | NASA PROGRAM TO HELP VICTIMS OF RUSSIAN EMERGENCY [NASA RELEASE-93-183] | P93-10184 06 |
| TECHNOLOGY TRANSFER CENTER TO WORK WITH SDIO TO AID INDUSTRY [NASA RELEASE-93-77] | P93-10078 06 | NASA ADAPTING UNIQUE X-RAY SYSTEM TO INSPECT AIRCRAFT [NASA RELEASE-93-137] | P93-10138 06 | U.S./RUSSIAN SPACE AGENCIES HOOKING SCIENCE NETWORKS [NASA RELEASE-93-196] | P93-10197 06 |
| INFRARED ASTRONOMY BIG BANG THEORY PASSES TOUGHEST TEST [NASA RELEASE-93-5] | P93-10006 06 | | | NASA-RUSSIAN MISSION EXPLORES KAMCHATKAN VOLCANOES [NASA RELEASE-93-198] | P93-10199 06 |
| NASA SR-71 NOW A FLYING OBSERVATORY [NASA RELEASE-93-71] | P93-10072 06 | | | HUBBLE DEEP-SKY SURVEY FINDS INTERACTING GALAXIES IN A CLUSTER [NASA RELEASE-93-203] | P93-10204 06 |

SUBJECT INDEX

ULYSSES REACHES UNEXPLORED REGIONS OF SUN
 [NASA RELEASE-93-217] P93-10218 06
 NASA AND RUSSIA SIGN AERONAUTICS AGREEMENT IN MOSCOW
 [NASA RELEASE-93-221] P93-10222 06
 NASA AND RUSSIAN SPACE AGENCY SIGN AGREEMENT FOR ADDITIONAL SPACE SHUTTLE/MIR MISSIONS
 [NASA RELEASE-93-222] P93-10223 06
 TRANSCRIPT: REMARKS BY DANIEL S. GOLDIN ON NASA TELEVISION P93-10230 05
 REMARKS BY NASA ADMINISTRATOR DANIEL S. GOLDIN TO THE AMERICAN ASTRONAUTICAL SOCIETY - GODDARD MEMORIAL SYMPOSIUM: REDESIGN OF THE SPACE STATION; HYATT REGENCY HOTEL, CRYSTAL CITY, ARLINGTON, VIRGINIA P93-10232 05
 NASA PRESS CONFERENCE: SPACE STATION REDESIGN; NASA HEADQUARTERS BUILDING, WASHINGTON, DC P93-10233 05
 REMARKS PREPARED FOR DELIVERY: TO BOLDLY GO - GIVING THOUGHT TO WHAT COMES NEXT IN SPACE; NATIONAL SPACE CLUB SPACE OUTLOOK CONFERENCE, FAIRFAX, VIRGINIA P93-10238 05
 NEW YORK TIMES INTERVIEW P93-10242 05
 REMARKS BY NASA ADMINISTRATOR DAN GOLDIN TO THE AEROSPACE INDUSTRY ASSOCIATION (AIA); LITCHFIELD PARK, ARIZONA P93-10243 05
 REMARKS GIVEN TO JOHN LOGSTONE SPACE POLICY CLASS; GEORGE WASHINGTON UNIVERSITY P93-10248 05
 MUTUAL BROADCASTING SYSTEM'S 'THE LARRY KING SHOW': INTERVIEW WITH DAN GOLDIN P93-10249 05
INTERNATIONAL GLOBAL CHANGE PROGRAM
 S GLOBAL CHANGE PROGRAM
INTERNATIONAL SATELLITES
 S EXOSAT /EUROPEAN X-RAY OBS. SATELLITE/
 S GINGA SATELLITE
 S IUE /INTERNATIONAL ULTRAVIOLET EXPLORER/
 S ROSAT /GERMAN SATELLITE/
INTERNATIONAL SOLAR POLAR MISSION
 S ULYSSES MISSION
INTERNATIONAL TECHNICAL UNDERWRITERS
 SPACE STATION REDESIGN ADVISORY MEMBERS NAMED
 [NASA RELEASE-93-59] P93-10060 06
INTERNATIONAL ULTRAVIOLET EXPLORER
 S IUE /INTERNATIONAL ULTRAVIOLET EXPLORER/
INTERNETS
 U.S./RUSSIAN SPACE AGENCIES HOOKING SCIENCE NETWORKS
 [NASA RELEASE-93-196] P93-10197 06
INTERPLANETARY MAGNETIC FIELDS
 GALILEO DETECTS MAGNETIC FIELD AROUND ASTEROID IDA
 [NASA RELEASE-93-193] P93-10194 06
 IO'S 'GHOST' DETECTED ON JUPITER
 [NASA RELEASE-93-208] P93-10209 06
INTERSTELLAR DUST
 DIAMONDS IN THE SKY CHALLENGE GALAXY EVOLUTION THEORIES
 [NASA RELEASE-93-58] P93-10059 06
 NEW DISCOVERIES BY NASA'S EUV EXPLORER PRESENTED
 [NASA RELEASE-93-105] P93-10106 06
 FROZEN MOLECULAR HYDROGEN DISCOVERED IN STELLAR NURSERY
 [NASA RELEASE-93-187] P93-10188 06
INTERSTELLAR GAS
 HUBBLE DISCOVERS A DOUBLE NUCLEUS IN CORE OF ACTIVE GALAXY
 [NASA RELEASE-93-6] P93-10007 06
 SUPERNOVA MAY HAVE CAUSED HUGE VOID AROUND SOLAR SYSTEM
 [NASA RELEASE-93-36] P93-10037 06
 VOYAGER SPACECRAFT FIND CLUE TO ANOTHER SOLAR SYSTEM MYSTERY
 [NASA RELEASE-93-99] P93-10100 06

NEW DISCOVERIES BY NASA'S EUV EXPLORER PRESENTED
 [NASA RELEASE-93-105] P93-10106 06
 NASA USES NEW METHOD TO DETECT NEW STARS AND PLANETS
 [NASA RELEASE-93-106] P93-10107 06
 HUBBLE SEES GAS SHELL AROUND NOVA CYGNI 1992
 [NASA RELEASE-93-174] P93-10175 06
 FROZEN MOLECULAR HYDROGEN DISCOVERED IN STELLAR NURSERY
 [NASA RELEASE-93-187] P93-10188 06
INTERSTELLAR MATTER
 SA INTERSTELLAR DUST
 SA INTERSTELLAR GAS
 NASA SCIENTISTS SOLVE LONG-STANDING STELLAR MYSTERY
 [NASA RELEASE-93-25] P93-10026 06
 DIAMONDS IN THE SKY CHALLENGE GALAXY EVOLUTION THEORIES
 [NASA RELEASE-93-58] P93-10059 06
 GAMMA-RAY OBSERVATORY PRODUCES THREE MAJOR DISCOVERIES
 [NASA RELEASE-93-182] P93-10183 06
INTERSTELLAR SPACE
 VOYAGER SPACECRAFT FIND CLUE TO ANOTHER SOLAR SYSTEM MYSTERY
 [NASA RELEASE-93-99] P93-10100 06
 NEW DISCOVERIES BY NASA'S EUV EXPLORER PRESENTED
 [NASA RELEASE-93-105] P93-10106 06
INVENTIONS
 NASA INVENTION YIELDS BETTER, FASTER STRESS MEASUREMENTS
 [NASA RELEASE-93-2] P93-10002 06
 LEWIS, CASE, BATTELLE TO COMMERCIALIZE NASA INVENTIONS
 [NASA RELEASE-93-91] P93-10092 06
INVENTOR OF THE YEAR AWARD
 ASTROPHYSICIST NAMED 1992 NASA INVENTOR OF THE YEAR
 [NASA RELEASE-93-24] P93-10025 06
INVESTIGATION BOARDS
 NASA NAMES HEAD OF MARS OBSERVER INVESTIGATION BOARD
 [NASA RELEASE-93-153] P93-10154 06
 NASA/NOAA PANEL TO INVESTIGATE NOAA-13 FAILURE
 [NASA RELEASE-93-154] P93-10155 06
 MARS OBSERVER INVESTIGATION BOARD MEMBERS NAMED
 [NASA RELEASE-93-159] P93-10160 06
 NASA BOARD TO INVESTIGATE STS-51 HARDWARE PROBLEM
 [NASA RELEASE-93-184] P93-10185 06
IO
 EVIDENCE FOR SOLID WATER FOUND ON JUPITER'S MOON IO
 [NASA RELEASE-93-107] P93-10108 06
 IO'S 'GHOST' DETECTED ON JUPITER
 [NASA RELEASE-93-208] P93-10209 06
ION EXCHANGE MEMBRANES
 LEWIS SPACE RESEARCH SPAWNS WATER PURIFICATION SYSTEM
 [NASA RELEASE-93-86] P93-10087 06
IONIZING RADIATION
 S GAMMA RAY BURSTS
IONOSPHERE
 NASA SELECTS UPPER ATMOSPHERE INVESTIGATORS
 [NASA RELEASE-93-123] P93-10124 06
IOWA
 NASA PROVIDING MIDWEST FLOODING INFORMATION
 [NASA RELEASE-93-134] P93-10135 06
IOWA UNIV., IOWA CITY
 PIONEER CELEBRATES 10 YEARS BEYOND THE KNOWN SOLAR PLANETS
 [NASA RELEASE-93-110] P93-10111 06
ISOTOPES
 SA DEUTERIUM

JET PROPULSION LAB., PASADENA, CALIF.

GAMMA-RAY OBSERVATORY PRODUCES THREE MAJOR DISCOVERIES
 [NASA RELEASE-93-182] P93-10183 06
ITALIAN SPACE AGENCY
 INTERNATIONAL MARS EXPLORATION GROUP FORMED
 [NASA RELEASE-93-87] P93-10088 06
 NASA SELECTS SECOND SET OF SMALL EXPLORER MISSIONS
 [NASA RELEASE-93-168] P93-10169 06
IUE /INTERNATIONAL ULTRAVIOLET EXPLORER/
 SCIENTISTS REVEAL NATURE OF EXPLODING, RED SUPERGIANT STAR
 [NASA RELEASE-93-63] P93-10064 06
 SATELLITE DATA GET NEW LEASE ON LIFE FROM SOFTWARE BOOST
 [NASA RELEASE-93-164] P93-10165 06
J
JAPAN
 S INSTITUTE FOR SPACE/ASTRONAUTIC SCI., JAP.
 S JAPANESE SPACE AGENCY
JAPANESE SATELLITES
 S GINGA SATELLITE
JAPANESE SPACE AGENCY
 ASTRO-D MISSION TO LAUNCH TONIGHT IN JAPAN
 [NASA RELEASE-93-28] P93-10029 06
 STATION REDESIGN TEAM TO SUBMIT FINAL REPORT
 [NASA RELEASE-93-104] P93-10105 06
JET ENGINES
 SA DUCTED FAN ENGINES
 NASA TESTING NEW, POWERFUL DUCTED FANS ENGINE FOR CIVIL JETS
 [NASA RELEASE-93-103] P93-10104 06
JET PROPULSION LAB., PASADENA, CALIF.
 NASA SELECTS 11 DISCOVERY MISSION CONCEPTS FOR STUDY
 [NASA RELEASE-93-27] P93-10028 06
 NASA CO-SPONSORS HIGH-TECH SMALL BUSINESS CONFERENCE
 [NASA RELEASE-93-29] P93-10030 06
 SCIENTISTS FORESEE STRENGTHENING EL NINO EVENT
 [NASA RELEASE-93-39] P93-10040 06
 THREE SPACECRAFT TO CONDUCT 3-WEEK GRAVITATIONAL WAVE SEARCH
 [NASA RELEASE-93-48] P93-10049 06
 CLEMENTINE MISSION SCIENCE TEAM SELECTED
 [NASA RELEASE-93-66] P93-10067 06
 COMPUTER PROGRAM WILL CATALOG ASTRONOMICAL SKY SURVEY
 [NASA RELEASE-93-67] P93-10068 06
 NASA SR-71 NOW A FLYING OBSERVATORY
 [NASA RELEASE-93-71] P93-10072 06
 MAGELLAN TO TEST AEROBRACING MANEUVER IN VENUS ATMOSPHERE
 [NASA RELEASE-93-89] P93-10090 06
 MAGELLAN AEROBRACING, GRAVITY STUDIES UNDERWAY
 [NASA RELEASE-93-98] P93-10099 06
 VOYAGER SPACECRAFT FIND CLUE TO ANOTHER SOLAR SYSTEM MYSTERY
 [NASA RELEASE-93-99] P93-10100 06
 NASA TO COMMERCIALIZE REMOTE-CONTROL TECHNOLOGY
 [NASA RELEASE-93-100] P93-10101 06
 NASA USES NEW METHOD TO DETECT NEW STARS AND PLANETS
 [NASA RELEASE-93-106] P93-10107 06
 SHUTTLE OZONE DATA RETRIEVED FROM ATMOS RECORDER
 [NASA RELEASE-93-118] P93-10119 06
 TOPEX POSEIDON MAPS PRECISE GLOBAL SEA LEVEL
 [NASA RELEASE-93-122] P93-10123 06
 NITROGEN ICE DISCOVERED ON PLUTO
 [NASA RELEASE-93-142] P93-10143 06

MAGELLAN AEROBRAKING AT VENUS A SUCCESS
[NASA RELEASE-93-144] P93-10145 06

NASA NAMES IMAGING PRINCIPAL INVESTIGATOR
FOR MESUR PATHFINDER
[NASA RELEASE-93-146] P93-10147 06

HEADING FOR JUPITER, GALILEO TO ENCOUNTER
ITS SECOND ASTEROID
[NASA RELEASE-93-149] P93-10150 06

NASA NAMES TEAM TO STUDY RETURN TRIP TO
MARS
[NASA RELEASE-93-157] P93-10158 06

NASA SELECTS SECOND SET OF SMALL EXPLORER
MISSIONS
[NASA RELEASE-93-168] P93-10169 06

HUBBLE INSTRUMENT MAY RECEIVE FURTHER
TESTING
[NASA RELEASE-93-169] P93-10170 06

NASA SELECTS FLIGHT TECHNOLOGY
PROPOSALS
[NASA RELEASE-93-186] P93-10187 06

GALILEO DETECTS MAGNETIC FIELD AROUND
ASTEROID IDA
[NASA RELEASE-93-193] P93-10194 06

TOPEX/POSEIDON DATA CONFIRMS EL NINO
PREDICTIONS
[NASA RELEASE-93-205] P93-10206 06

JPL TEAM DEVELOPS SPECIAL POLLUTION
DETECTION GLASS
[NASA RELEASE-93-209] P93-10210 06

NASA EXCEEDS MINORITY SMALL BUSINESS GOAL
AHEAD OF SCHEDULE
[NASA RELEASE-93-214] P93-10215 06

REMARKS BY NASA ADMINISTRATOR DAN GOLDIN
BEFORE THE JPL HIGH-TECH SMALL BUSINESS
DEVELOPMENT PROCUREMENT CONFERENCE; LOS
ANGELES, CALIFORNIA P93-10231 05

JMR ASSOCIATES

SPACE STATION REDESIGN ADVISORY MEMBERS
NAMED
[NASA RELEASE-93-59] P93-10060 06

JOHN F. KENNEDY SPACE CENTER, NASA, FLA.

S KENNEDY SPACE CENTER, COCOA BEACH,
FLA.

JOHNS HOPKINS UNIV., BALTIMORE, MD.

SA APPLIED PHYSICS LAB., LAUREL, MD.
SA APPLIED PHYSICS LABORATORY

HUBBLE DISCOVERS A DOUBLE NUCLEUS IN CORE
OF ACTIVE GALAXY
[NASA RELEASE-93-6] P93-10007 06

HUBBLE DEEP-SKY SURVEY FINDS INTERACTING
GALAXIES IN A CLUSTER
[NASA RELEASE-93-203] P93-10204 06

JOHNSON SPACE CENTER, HOUSTON, TEX.

SPACEWALK ADDED TO JULY SPACE SHUTTLE
FLIGHT
[NASA RELEASE-93-21] P93-10022 06

NASA FUNDS EXPERIMENT TO HELP
COMMERCIALIZE TECHNOLOGY
[NASA RELEASE-93-37] P93-10038 06

PEARSON ANNOUNCES SHUTTLE PROGRAM
ADJUSTMENTS
[NASA RELEASE-93-49] P93-10050 06

PRIME AND BACKUP COSMONAUTS NAMED FOR
SHUTTLE STS-60 MISSION
[NASA RELEASE-93-61] P93-10062 06

NASA SPACE SUIT AND MEDICAL TECHNOLOGIES
HONORED
[NASA RELEASE-93-69] P93-10070 06

BIENNIAL ASTRONAUT RECRUITING BEGINS
[NASA RELEASE-93-101] P93-10102 06

JSC DIRECTOR COHEN ANNOUNCES RETIREMENT
[NASA RELEASE-93-131] P93-10132 06

SPACE STATION HOST CENTER AND PRIME
CONTRACTOR ANNOUNCED
[NASA RELEASE-93-148] P93-10149 06

TWENTY NATIONAL STUDENT WINNERS HONORED
IN WASHINGTON
[NASA RELEASE-93-175] P93-10176 06

ARCHITECT OF NASA TECHNOLOGY INCUBATORS
TO RECEIVE AWARD
[NASA RELEASE-93-176] P93-10177 06

MINORITY CONTRACTORS OF THE YEAR AWARDS
ANNOUNCED
[NASA RELEASE-93-177] P93-10178 06

DIRECTOR OF AMES TECHNOLOGY
COMMERCIALIZATION CENTER NAMED
[NASA RELEASE-93-185] P93-10186 06

GOLDIN ANNOUNCES KEY SPACE STATION
MANAGEMENT MOVES
[NASA RELEASE-93-191] P93-10192 06

NASA AND RUSSIAN SPACE AGENCY SIGN
AGREEMENT FOR ADDITIONAL SPACE SHUTTLE/MIR
MISSIONS
[NASA RELEASE-93-222] P93-10223 06

PRESS CONFERENCE; JOHNSON SPACE CENTER,
HOUSTON, TEXAS P93-10239 05

JOINT ULTRAVIOLET NIGHT SKY OBSERVER

NASA SELECTS SECOND SET OF SMALL EXPLORER
MISSIONS
[NASA RELEASE-93-168] P93-10169 06

JSC

S JOHNSON SPACE CENTER, HOUSTON, TEX.

JUNO /SATELLITE/

S JOINT ULTRAVIOLET NIGHT SKY OBSERVER

JUPITER /PLANET/

THREE SPACECRAFT TO CONDUCT 3-WEEK
GRAVITATIONAL WAVE SEARCH
[NASA RELEASE-93-48] P93-10049 06

SCIENTISTS REVEAL NATURE OF EXPLODING, RED
SUPERGIANT STAR
[NASA RELEASE-93-63] P93-10064 06

HUBBLE INVESTIGATES COMET ON A COLLISION
COURSE WITH JUPITER
[NASA RELEASE-93-188] P93-10189 06

IO'S 'GHOST' DETECTED ON JUPITER
[NASA RELEASE-93-208] P93-10209 06

JUPITER ORBITER/PROBE

S GALILEO PROJECT

K**KELVIN WAVES**

TOPEX/POSEIDON DATA CONFIRMS EL NINO
PREDICTIONS
[NASA RELEASE-93-205] P93-10206 06

KENNAMETAL, INC., PA.

CONSORT 6 LAUNCH DATE SET
[NASA RELEASE-93-22] P93-10023 06

KENNEDY SPACE CENTER, COCOA BEACH, FLA.

KSC BASE OPERATIONS CONTRACT AWARD
PROTESTS SETTLED
[NASA RELEASE-93-18] P93-10019 06

PEARSON ANNOUNCES SHUTTLE PROGRAM
ADJUSTMENTS
[NASA RELEASE-93-49] P93-10050 06

SCIENTISTS REVEAL NATURE OF EXPLODING, RED
SUPERGIANT STAR
[NASA RELEASE-93-63] P93-10064 06

STUDENTS BEGIN NASA LIFE SCIENCES TRAINING
PROGRAM
[NASA RELEASE-93-117] P93-10118 06

NASA, STATE OF FLORIDA, SIGN TECHNOLOGY
TRANSFER ACCORD
[NASA RELEASE-93-155] P93-10156 06

HUBBLE INSTRUMENT MAY RECEIVE FURTHER
TESTING
[NASA RELEASE-93-169] P93-10170 06

MINORITY CONTRACTORS OF THE YEAR AWARDS
ANNOUNCED
[NASA RELEASE-93-177] P93-10178 06

KSC

S KENNEDY SPACE CENTER, COCOA BEACH,
FLA.

KUIPER AIRBORNE OBSERVATORY

EVIDENCE FOR SOLID WATER FOUND ON
JUPITER'S MOON IO
[NASA RELEASE-93-107] P93-10108 06

L**L. B. JOHNSON SPACE CENTER, HOUSTON, TEX.**

S JOHNSON SPACE CENTER, HOUSTON, TEX.

LAMINAR FLOW CONTROL

NASA TO DEVELOP TECHNOLOGY FOR FUTURE
HIGH-SPEED TRANSPORTS
[NASA RELEASE-93-52] P93-10053 06

LANDING AIDS

SA AUTOMATIC LANDING CONTROL

NASA F-15 MAKES FIRST ENGINE-CONTROLLED
TOUCHDOWN
[NASA RELEASE-93-75] P93-10076 06

LANDING VEHICLES

NASA NAMES IMAGING PRINCIPAL INVESTIGATOR
FOR MESUR PATHFINDER
[NASA RELEASE-93-146] P93-10147 06

LANDSAT SATELLITES

S LANDSAT 4
S LANDSAT 5

LANDSAT 4

NASA STUDY REFINES ESTIMATES OF AMAZON
DEFORESTATION
[NASA RELEASE-93-119] P93-10120 06

LANDSAT 5

NASA STUDY REFINES ESTIMATES OF AMAZON
DEFORESTATION
[NASA RELEASE-93-119] P93-10120 06

LANGLEY RESEARCH CENTER, HAMPTON, VA.

MT. PINATUBO ERUPTION CAUSES TEMPORARY
COOLING OF EARTH
[NASA RELEASE-93-41] P93-10042 06

NASA TO DEVELOP TECHNOLOGY FOR FUTURE
HIGH-SPEED TRANSPORTS
[NASA RELEASE-93-52] P93-10053 06

NASA SPACE SUIT AND MEDICAL TECHNOLOGIES
HONORED
[NASA RELEASE-93-69] P93-10070 06

NASA SYSTEM RESEARCH AIRCRAFT MAKES FIRST
TEST FLIGHT
[NASA RELEASE-93-95] P93-10096 06

NASA TESTING NEW, POWERFUL DUCTED FANS
ENGINE FOR CIVIL JETS
[NASA RELEASE-93-103] P93-10104 06

NASA SELECTS UPPER ATMOSPHERE
INVESTIGATORS
[NASA RELEASE-93-123] P93-10124 06

NASA AWARDS HIGH-SPEED AIR TRANSPORT
MATERIALS STUDY CONTRACTS
[NASA RELEASE-93-124] P93-10125 06

NASA AND SUPRA MEDICAL CORP. TO DEVELOP
ULTRASOUND DETECTOR
[NASA RELEASE-93-125] P93-10126 06

NASA ADAPTING UNIQUE X-RAY SYSTEM TO
INSPECT AIRCRAFT
[NASA RELEASE-93-137] P93-10138 06

FLIGHT TESTS PROVE SIMPLER SATELLITE-GUIDED
AUTOLAND METHOD
[NASA RELEASE-93-165] P93-10166 06

NEW WINDSHEAR SENSORS A
GOVERNMENT-INDUSTRY 'SUCCESS STORY'
[NASA RELEASE-93-170] P93-10171 06

NASA, FAA CONSIDER REVISED WINDSHEAR
PILOTING PROCEDURES
[NASA RELEASE-93-171] P93-10172 06

TWENTY NATIONAL STUDENT WINNERS HONORED
IN WASHINGTON
[NASA RELEASE-93-175] P93-10176 06

NASA BOARD TO INVESTIGATE STS-51 HARDWARE
PROBLEM
[NASA RELEASE-93-184] P93-10185 06

NASA SELECTS FLIGHT TECHNOLOGY
PROPOSALS
[NASA RELEASE-93-186] P93-10187 06

COCKPIT WEATHER SYSTEM MAY SAVE AIRLINES
\$6 MILLION PER YEAR
[NASA RELEASE-93-194] P93-10195 06

NASA TAPS 20 SCHOOLS FOR AERONAUTICS
ENGINEERING GRANTS
[NASA RELEASE-93-210] P93-10211 06

SUBJECT INDEX

LAPTOP COMPUTERS

PORTABLE COMPUTER TO HELP ASTRONAUTS
CONDUCT SCIENCE
[NASA RELEASE-93-180] P93-10181 06

LARC

S LANGLEY RESEARCH CENTER, HAMPTON, VA.

LARGE SPACE TELESCOPE

S HUBBLE SPACE TELESCOPE

LASER APPLICATIONS

CATARACT SUFFERERS COULD BENEFIT FROM
SPACE TECHNOLOGY
[NASA RELEASE-93-45] P93-10046 06

NASA TESTS NEW LASER AIR DATA SYSTEM ON
SR-71 BLACKBIRD
[NASA RELEASE-93-163] P93-10164 06

LASER/LIGHT DETECTION AND RANGING

S OPTICAL RADAR

LASERS

CATARACT SUFFERERS COULD BENEFIT FROM
SPACE TECHNOLOGY
[NASA RELEASE-93-45] P93-10046 06

LAUNCH DATES

CONSORT 6 LAUNCH DATE SET
[NASA RELEASE-93-22] P93-10023 06

LAUNCH VEHICLES

S DELTA LAUNCH VEHICLES
S PEGASUS AIR-LAUNCHED BOOSTER
S SHUTTLE DERIVED LAUNCH VEHICLES

LEAR JET AIRCRAFT

NASA, LEARJET JOIN TO CREATE NEW BUSINESS
JET TECHNOLOGIES
[NASA RELEASE-93-46] P93-10047 06

LEARJET INC., WICHITA, KANSAS

NASA, LEARJET JOIN TO CREATE NEW BUSINESS
JET TECHNOLOGIES
[NASA RELEASE-93-46] P93-10047 06

LERC

S LEWIS RESEARCH CENTER, CLEVELAND, OHIO

LEWIS RESEARCH CENTER, CLEVELAND, OHIO

NASA RESEARCHER TAPPED FOR OHIO SCIENCE
HALL OF FAME
[NASA RELEASE-93-23] P93-10024 06

CATARACT SUFFERERS COULD BENEFIT FROM
SPACE TECHNOLOGY
[NASA RELEASE-93-45] P93-10046 06

NASA/OHIO AEROSPACE INSTITUTE TO HOST
CYBERSPACE CONFERENCE
[NASA RELEASE-93-50] P93-10051 06

NASA TO DEVELOP TECHNOLOGY FOR FUTURE
HIGH-SPEED TRANSPORTS
[NASA RELEASE-93-52] P93-10053 06

NASA ENGINEER RECEIVES TECHNOLOGY
TRANSFER AWARD
[NASA RELEASE-93-73] P93-10074 06

LEWIS SPACE RESEARCH SPAWNS WATER
PURIFICATION SYSTEM
[NASA RELEASE-93-86] P93-10087 06

LEWIS, CASE, BATTELLE TO COMMERCIALIZE NASA
INVENTIONS
[NASA RELEASE-93-91] P93-10092 06

NASA SYSTEM RESEARCH AIRCRAFT MAKES FIRST
TEST FLIGHT
[NASA RELEASE-93-95] P93-10096 06

NASA TESTING NEW, POWERFUL DUCTED FANS
ENGINE FOR CIVIL JETS
[NASA RELEASE-93-103] P93-10104 06

UNIQUE CHEMICAL PROCESS COULD IMPROVE
CERAMIC MATERIALS
[NASA RELEASE-93-143] P93-10144 06

SPACE STATION HOST CENTER AND PRIME
CONTRACTOR ANNOUNCED
[NASA RELEASE-93-148] P93-10149 06

NASA/NOAA PANEL TO INVESTIGATE NOAA-13
FAILURE
[NASA RELEASE-93-154] P93-10155 06

ANTARCTIC TO BECOME LABORATORY FOR
FUTURE MARS MISSIONS
[NASA RELEASE-93-178] P93-10179 06

NASA SELECTS FLIGHT TECHNOLOGY
PROPOSALS
[NASA RELEASE-93-186] P93-10187 06

NASA FLIES FIBER OPTICS ON AIRCRAFT CONTROL
SYSTEMS TEST
[NASA RELEASE-93-199] P93-10200 06

NASA ANNOUNCES NEW SEMICONDUCTOR
GROWTH PROCESS
[NASA RELEASE-93-200] P93-10201 06

NASA TAPS 20 SCHOOLS FOR AERONAUTICS
ENGINEERING GRANTS
[NASA RELEASE-93-210] P93-10211 06

LIDAR

S OPTICAL RADAR

LIFE SCIENCES

SA AEROSPACE MEDICINE
SA BIOTECHNOLOGY
SA GENETICS AND GROWTH
SA PHYSIOLOGY

NASA SELECTS CENTER FOR LIFE SCIENCES
RESEARCH
[NASA RELEASE-93-40] P93-10041 06

ORGANIZATIONAL CHANGES TO ENHANCE
PROGRAMS, RELATIONS
[NASA RELEASE-93-44] P93-10045 06

PRIME AND BACKUP COSMONAUTS NAMED FOR
SHUTTLE STS-60 MISSION
[NASA RELEASE-93-61] P93-10062 06

STUDENTS BEGIN NASA LIFE SCIENCES TRAINING
PROGRAM
[NASA RELEASE-93-117] P93-10118 06

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

STS-58 SECOND SPACELAB MISSION DEDICATED
TO LIFE SCIENCES P93-10136 06

NASA EDUCATION TELECASTS SCHEDULED FOR
1993-94 SCHOOL YEAR
[NASA RELEASE-93-150] P93-10151 06

SHUTTLE MISSION TO CONDUCT SCIENTIFIC
FIRST
[NASA RELEASE-93-173] P93-10174 06

PORTABLE COMPUTER TO HELP ASTRONAUTS
CONDUCT SCIENCE
[NASA RELEASE-93-180] P93-10181 06

U.S./RUSSIAN SPACE AGENCIES HOOKING
SCIENCE NETWORKS
[NASA RELEASE-93-196] P93-10197 06

LIGHTER-THAN-AIR VEHICLES

S BALLOONS

LIGHTNING

EVIDENCE POINTS TO OCEANS, LIGHTNING ON
EARLY VENUS
[NASA RELEASE-93-51] P93-10052 06

NASA RESEARCHERS RECORD UNUSUAL FLASHES
IN UPPER ATMOSPHERE
[NASA RELEASE-93-167] P93-10168 06

LINE SPECTRA

NASA SCIENTISTS SOLVE LONG-STANDING
STELLAR MYSTERY
[NASA RELEASE-93-25] P93-10026 06

EVIDENCE FOR SOLID WATER FOUND ON
JUPITER'S MOON IO
[NASA RELEASE-93-107] P93-10108 06

GAMMA-RAY OBSERVATORY PRODUCES THREE
MAJOR DISCOVERIES
[NASA RELEASE-93-182] P93-10183 06

LOCKHEED AERONAUTICAL SYSTEMS CO., GEORGIA

NASA AWARDS HIGH-SPEED AIR TRANSPORT
MATERIALS STUDY CONTRACTS
[NASA RELEASE-93-124] P93-10125 06

LOCKHEED CORP.

INDUSTRY TESTS NASA COMPUTER PROGRAMS
FOR EFFICIENT DESIGNING
[NASA RELEASE-93-90] P93-10091 06

NASA SELECTS UPPER ATMOSPHERE
INVESTIGATORS
[NASA RELEASE-93-123] P93-10124 06

LOCKHEED CORP., SUNNYVALE, CALIF.

S LOCKHEED SPACE SYS. DIV., SUNNYVALE, CA.

LOCKHEED MISSILES AND SPACE CO., CALIF.

NEW WINDSHEAR SENSORS A
GOVERNMENT-INDUSTRY 'SUCCESS STORY'
[NASA RELEASE-93-170] P93-10171 06

MAN-MACHINE INTERFACE

LOCKHEED SPACE OPERATIONS, FLA.

KSC BASE OPERATIONS CONTRACT AWARD
PROTESTS SETTLED
[NASA RELEASE-93-18] P93-10019 06

LOCKHEED SPACE SYS. DIV., SUNNYVALE, CA.

NASA LIMITS EXPENDITURES ON THE ASRM
PROGRAM
[NASA RELEASE-93-189] P93-10190 06

LORAL AEROSYS, SEABROOK, MD

NASA AWARDS CONTRACT FOR EOSDIS CORE
SYSTEM
[NASA RELEASE-93-56] P93-10057 06

LOS ALAMOS NATIONAL LAB., N. MEX.

ULYSSES REACHES UNEXPLORED REGIONS OF
SUN
[NASA RELEASE-93-217] P93-10218 06

LUNAR AND PLANETARY INSTITUTE OF HOUSTON

CLEMENTINE MISSION SCIENCE TEAM SELECTED
[NASA RELEASE-93-66] P93-10067 06

LUNAR EXPLORATION

CLEMENTINE MISSION SCIENCE TEAM SELECTED
[NASA RELEASE-93-66] P93-10067 06

LUNAR LANDING

S LANDING VEHICLES

M

MACHINE LEARNING

COMPUTER PROGRAM WILL CATALOG
ASTRONOMICAL SKY SURVEY
[NASA RELEASE-93-67] P93-10068 06

MACINTOSH PERSONAL COMPUTERS

PORTABLE COMPUTER TO HELP ASTRONAUTS
CONDUCT SCIENCE
[NASA RELEASE-93-180] P93-10181 06

MADIC

S MULTIDISCIPL. ANAL. & DESIGN INDUS. CNSRT.

MAGELLAN MISSION

MAGELLAN TO TEST AEROBRAKING MANEUVER IN
VENUS ATMOSPHERE
[NASA RELEASE-93-89] P93-10090 06

MAGELLAN AEROBRAKING, GRAVITY STUDIES
UNDERWAY
[NASA RELEASE-93-98] P93-10099 06

MAGELLAN AEROBRAKING AT VENUS A SUCCESS
[NASA RELEASE-93-144] P93-10145 06

MAGNETIC FIELDS

S INTERPLANETARY MAGNETIC FIELDS
S SOLAR MAGNETIC FIELD

MAGNETOMETER

GALILEO DETECTS MAGNETIC FIELD AROUND
ASTEROID IDA
[NASA RELEASE-93-193] P93-10194 06

MAINTENANCE

S AIRCRAFT MAINTENANCE
S CORRECTIVE OPTICS /HUBBLE TELESCOPE/
S SPACE MAINTENANCE
S SPACECRAFT MAINTENANCE

MAN ENVIRONMENT INTERACTIONS

NASA AND CENTRAL AMERICA WILL EXPAND RAIN
FOREST STUDIES
[NASA RELEASE-93-47] P93-10048 06

1993 ANTARCTIC OZONE HOLE REACHES RECORD
LOWS
[NASA RELEASE-93-190] P93-10191 06

NASA SCIENTISTS CREATE EARTH BREATHING
IMAGE
[NASA RELEASE-93-223] P93-10224 06

MAN-MACHINE INTERFACE

NASA/OHIO AEROSPACE INSTITUTE TO HOST
CYBERSPACE CONFERENCE
[NASA RELEASE-93-50] P93-10051 06

NASA/FAA RESEARCH AIMS AT MORE EFFICIENT
AIRSPACE OPERATIONS
[NASA RELEASE-93-172] P93-10173 06

COCKPIT WEATHER SYSTEM MAY SAVE AIRLINES
\$6 MILLION PER YEAR
[NASA RELEASE-93-194] P93-10195 06

MANAGEMENT

MANAGEMENT

S ADMINISTRATIVE OPERATIONS
S PROGRAM MANAGEMENT

MANNED SPACECRAFT CENTER, HOUSTON, TEX.

S JOHNSON SPACE CENTER, HOUSTON, TEX.

MANUALS

NASA ENGINEER RECEIVES TECHNOLOGY
TRANSFER AWARD
[NASA RELEASE-93-73] P93-10074 06

MANUFACTURING

SA SPACE MANUFACTURING
YELLOW CREEK FACILITIES TARGETED FOR
SHUTTLE NOZZLE WORK
[NASA RELEASE-93-215] P93-10216 06

MAPPING

SA PHOTOMAPPING
SA PLANETARY MAPPING
TOPEX POSEIDON MAPS PRECISE GLOBAL SEA
LEVEL
[NASA RELEASE-93-122] P93-10123 06
NASA PROVIDING MIDWEST FLOODING
INFORMATION
[NASA RELEASE-93-134] P93-10135 06

MARKETING

ARCHITECT OF NASA TECHNOLOGY INCUBATORS
TO RECEIVE AWARD
[NASA RELEASE-93-176] P93-10177 06

MARS /PLANET/

THREE SPACECRAFT TO CONDUCT 3-WEEK
GRAVITATIONAL WAVE SEARCH
[NASA RELEASE-93-48] P93-10049 06
NASA NAMES TEAM TO STUDY RETURN TRIP TO
MARS
[NASA RELEASE-93-157] P93-10158 06

MARS ATMOSPHERE

NASA AND THE RUSSIAN SPACE AGENCY SIGN
MARS '94 CONTRACT
[NASA RELEASE-93-62] P93-10063 06

MARS ENVIRON. SURVEY /MESUR/ PATHFINDER

INTERNATIONAL MARS EXPLORATION GROUP
FORMED
[NASA RELEASE-93-87] P93-10088 06
NASA NAMES IMAGING PRINCIPAL INVESTIGATOR
FOR MESUR PATHFINDER
[NASA RELEASE-93-146] P93-10147 06

MARS EXPLORATION

SA MARS OBSERVER MISSION
NASA AND THE RUSSIAN SPACE AGENCY SIGN
MARS '94 CONTRACT
[NASA RELEASE-93-62] P93-10063 06
NASA AMES TO DRIVE RUSSIAN ROBOT VIA
SATELLITE
[NASA RELEASE-93-84] P93-10085 06
INTERNATIONAL MARS EXPLORATION GROUP
FORMED
[NASA RELEASE-93-87] P93-10088 06
NASA NAMES TEAM TO STUDY RETURN TRIP TO
MARS
[NASA RELEASE-93-157] P93-10158 06
ANTARCTIC TO BECOME LABORATORY FOR
FUTURE MARS MISSIONS
[NASA RELEASE-93-178] P93-10179 06

MARS GEOSCIENCE/CLIMATOLOGY ORBITER

S MARS OBSERVER MISSION

MARS OBSERVER MISSION

THREE SPACECRAFT TO CONDUCT 3-WEEK
GRAVITATIONAL WAVE SEARCH
[NASA RELEASE-93-48] P93-10049 06
INTERNATIONAL MARS EXPLORATION GROUP
FORMED
[NASA RELEASE-93-87] P93-10088 06
NASA NAMES HEAD OF MARS OBSERVER
INVESTIGATION BOARD
[NASA RELEASE-93-153] P93-10154 06
MARS OBSERVER INVESTIGATION BOARD
MEMBERS NAMED
[NASA RELEASE-93-159] P93-10160 06
ADDRESS TO THE AIAA P93-10240 05

MARS OXIDENT EXPERIMENT /MOX/

NASA AND THE RUSSIAN SPACE AGENCY SIGN
MARS '94 CONTRACT
[NASA RELEASE-93-62] P93-10063 06

MARS PHOTOGRAPHS

NASA NAMES IMAGING PRINCIPAL INVESTIGATOR
FOR MESUR PATHFINDER
[NASA RELEASE-93-146] P93-10147 06

MARS SCIENCE EXPERIMENT PROJECT

TWENTY NATIONAL STUDENT WINNERS HONORED
IN WASHINGTON
[NASA RELEASE-93-175] P93-10176 06

MARS SURFACE

NASA AND THE RUSSIAN SPACE AGENCY SIGN
MARS '94 CONTRACT
[NASA RELEASE-93-62] P93-10063 06

MARSHALL SPACE FLIGHT CENTER, ALA.

ASTROPHYSICIST NAMED 1992 NASA INVENTOR OF
THE YEAR
[NASA RELEASE-93-24] P93-10025 06

NASA SATELLITE DATA SHAKE THEORIES ON
GAMMA-RAY BURSTS
[NASA RELEASE-93-72] P93-10073 06

NASA JOINS FORCES WITH INDUSTRY IN AIDS
RESEARCH
[NASA RELEASE-93-88] P93-10089 06

HUBBLE SERVICING MISSION STUDY COMPLETED
[NASA RELEASE-93-96] P93-10097 06

ARKANSAS, NASA SIGN TECHNOLOGY TRANSFER
ACCORD
[NASA RELEASE-93-138] P93-10139 06

COMPTON OBSERVATORY DISCOVERS INTENSE,
NEW X-RAY PULSAR
[NASA RELEASE-93-141] P93-10142 06

SPACE STATION HOST CENTER AND PRIME
CONTRACTOR ANNOUNCED
[NASA RELEASE-93-148] P93-10149 06

NASA RESEARCHERS RECORD UNUSUAL FLASHES
IN UPPER ATMOSPHERE
[NASA RELEASE-93-167] P93-10168 06

MINORITY CONTRACTORS OF THE YEAR AWARDS
ANNOUNCED
[NASA RELEASE-93-177] P93-10178 06

NASA LIMITS EXPENDITURES ON THE ASRM
PROGRAM
[NASA RELEASE-93-189] P93-10190 06

NASA TO DEVELOP AND BUILD SPACE STATION
FURNACE FACILITY
[NASA RELEASE-93-211] P93-10212 06

TECHNOLOGY 2003 TO HIGHLIGHT NEW
TECHNOLOGICAL DISCOVERIES
[NASA RELEASE-93-212] P93-10213 06

YELLOW CREEK FACILITIES TARGETED FOR
SHUTTLE NOZZLE WORK
[NASA RELEASE-93-215] P93-10216 06

MARTIN MARIETTA ASTRO SPACE, NJ

CONTROLLERS LOSE CONTACT WITH NOAA-13
SATELLITE
[NASA RELEASE-93-151] P93-10152 06

MARYLAND UNIV.

GIBBONS OUTLINES SPACE STATION REDESIGN
GUIDANCE
[NASA RELEASE-93-64] P93-10065 06

PIONEER CELEBRATES 10 YEARS BEYOND THE
KNOWN SOLAR PLANETS
[NASA RELEASE-93-110] P93-10111 06

NASA HELPS PROVIDE FAMINE EARLY WARNING
FOR AFRICA
[NASA RELEASE-93-213] P93-10214 06

ULYSSES REACHES UNEXPLORED REGIONS OF
SUN
[NASA RELEASE-93-217] P93-10218 06

NASA MODIFIES FUNDING SUPPORT FOR CENTERS
FOR COMMERCIAL DEVELOPMENT
[NASA RELEASE-93-225] P93-10226 06

MARYLAND UNIV., COLLEGE PARK

MYSTERIOUS CONCENTRATION OF DARK MATTER
DISCOVERED
[NASA RELEASE-93-1] P93-10001 06

NASA BOOSTS HYPERSONIC RESEARCH WITH
UNIVERSITY GRANTS
[NASA RELEASE-93-152] P93-10153 06

MASSACHUSETTS INST. OF TECH.

ASTRO-D MISSION TO LAUNCH TONIGHT IN
JAPAN
[NASA RELEASE-93-28] P93-10029 06

SPACE STATION REDESIGN ADVISORY MEMBERS
NAMED
[NASA RELEASE-93-59] P93-10060 06

NITROGEN ICE DISCOVERED ON PLUTO
[NASA RELEASE-93-142] P93-10143 06

MASSACHUSETTS INST. OF TECH., CAMBRIDGE

PORTABLE COMPUTER TO HELP ASTRONAUTS
CONDUCT SCIENCE
[NASA RELEASE-93-180] P93-10181 06

MATERIALS HANDLING

NASA TO COMMERCIALIZE REMOTE-CONTROL
TECHNOLOGY
[NASA RELEASE-93-100] P93-10101 06

MATERIALS PROCESSING IN SPACE

S SPACE PROCESSING

MATERIALS RESEARCH

SA REFRACTORY MATERIALS
STS-62 AND STS-59 SPACE SHUTTLE CREW
ASSIGNMENTS ANNOUNCED
[NASA RELEASE-93-42] P93-10043 06

NASA AWARDS HIGH-SPEED AIR TRANSPORT
MATERIALS STUDY CONTRACTS
[NASA RELEASE-93-124] P93-10125 06

NASA SELECTS FLIGHT TECHNOLOGY
PROPOSALS
[NASA RELEASE-93-186] P93-10187 06

NASA TO DEVELOP AND BUILD SPACE STATION
FURNACE FACILITY
[NASA RELEASE-93-211] P93-10212 06

NASA MODIFIES FUNDING SUPPORT FOR CENTERS
FOR COMMERCIAL DEVELOPMENT
[NASA RELEASE-93-225] P93-10226 06

REMARKS PREPARED FOR DELIVERY: BRUNEL'S
PRODUCTION LINE - INSPIRATION, INNOVATION AND
THE MARCH OF TECHNOLOGY: NATIONAL CENTER
FOR MANUFACTURING SCIENCES 1993 ANNUAL
MEETING, WASHINGTON, DC P93-10236 05

MATHEMATICAL MODELS

TOPEX POSEIDON MAPS PRECISE GLOBAL SEA
LEVEL
[NASA RELEASE-93-122] P93-10123 06

NASA AWARDS HIGH-SPEED AIR TRANSPORT
MATERIALS STUDY CONTRACTS
[NASA RELEASE-93-124] P93-10125 06

NASA-RUSSIAN MISSION EXPLORES KAMCHATKAN
VOLCANOES
[NASA RELEASE-93-198] P93-10199 06

TOPEX/POSEIDON DATA CONFIRMS EL NINO
PREDICTIONS
[NASA RELEASE-93-205] P93-10206 06

NASA SCIENTISTS CREATE EARTH BREATHING
IMAGE
[NASA RELEASE-93-223] P93-10224 06

MAX-PLANCK INST. FOR AERONOMY, GERMANY

NASA NAMES IMAGING PRINCIPAL INVESTIGATOR
FOR MESUR PATHFINDER
[NASA RELEASE-93-146] P93-10147 06

MAX-PLANCK INSTITUTE, GERMANY

GAMMA-RAY OBSERVATORY PRODUCES THREE
MAJOR DISCOVERIES
[NASA RELEASE-93-182] P93-10183 06

MAYA CIVILIZATION

NASA AND CENTRAL AMERICA WILL EXPAND RAIN
FOREST STUDIES
[NASA RELEASE-93-47] P93-10048 06

MAYO CLINIC, ROCHESTER, MINN.

SHUTTLE RAT EXPERIMENT YIELDS UNEXPECTED
RESULTS
[NASA RELEASE-93-181] P93-10182 06

MCDONNELL AIRCRAFT CORP.

SPACE STATION HOST CENTER AND PRIME
CONTRACTOR ANNOUNCED
[NASA RELEASE-93-148] P93-10149 06

MCDONNELL-DOUGLAS AEROSPACE, CALIF.

SPACE STATION FREEDOM PROPULSION FIRING
TESTS UNDERWAY
[NASA RELEASE-93-7] P93-10008 06

- NASA AWARDS HIGH-SPEED AIR TRANSPORT MATERIALS STUDY CONTRACTS
[NASA RELEASE-93-124] P93-10125 06
- MCDONNELL-DOUGLAS CORP.**
INDUSTRY TESTS NASA COMPUTER PROGRAMS FOR EFFICIENT DESIGNING
[NASA RELEASE-93-90] P93-10091 06
NASA SYSTEM RESEARCH AIRCRAFT MAKES FIRST TEST FLIGHT
[NASA RELEASE-93-95] P93-10096 06
NASA F-15 BEING READIED FOR ADVANCED MANEUVERING FLIGHT
[NASA RELEASE-93-115] P93-10116 06
- MCDONNELL-DOUGLAS CORP., ST. LOUIS, MO.**
NASA F-15 MAKES FIRST ENGINE-CONTROLLED TOUCHDOWN
[NASA RELEASE-93-75] P93-10076 06
- MCDONNELL-DOUGLAS SPACE SYSTEMS CO., CA.**
NASA AMES TO DRIVE RUSSIAN ROBOT VIA SATELLITE
[NASA RELEASE-93-84] P93-10085 06
- MEASUREMENT TECHNOLOGY**
GOLDIN CALLS FOR IMPROVED TECHNOLOGY TRANSFER TO INDUSTRY
[NASA RELEASE-93-9] P93-10010 06
- MEASURING DEVICES**
SA ATTITUDE INDICATORS
SA HIGH SPEED PHOTOMETERS
SA INFRARED DETECTORS
SA INFRARED SPECTROMETER
SA MAGNETOMETER
SA POSITRON ELECTRON MAGNETIC SPECTROMETER
SA STRAIN GAGES
SA ULTRAVIOLET SPECTROMETER
NASA SAVES \$1 MILLION ON AERONAUTICS RESEARCH PROJECT
[NASA RELEASE-93-35] P93-10036 06
NASA TESTS NEW LASER AIR DATA SYSTEM ON SR-71 BLACKBIRD
[NASA RELEASE-93-163] P93-10164 06
- MEDALS**
S CONGRESSIONAL MEDAL OF HONOR
S DISTINGUISHED PUBLIC SERVICE MEDAL, NASA
S NATIONAL MEDAL OF TECHNOLOGY
- MEDICAL DIAGNOSTIC SYSTEMS**
CATARACT SUFFERERS COULD BENEFIT FROM SPACE TECHNOLOGY
[NASA RELEASE-93-45] P93-10046 06
- MEDICAL EQUIPMENT**
SA MEDICAL DIAGNOSTIC SYSTEMS
NASA SPACE SUIT AND MEDICAL TECHNOLOGIES HONORED
[NASA RELEASE-93-69] P93-10070 06
NASA AND SUPRA MEDICAL CORP. TO DEVELOP ULTRASOUND DETECTOR
[NASA RELEASE-93-125] P93-10126 06
NASA PROGRAM TO HELP VICTIMS OF RUSSIAN EMERGENCY
[NASA RELEASE-93-183] P93-10184 06
- MEDICAL PERSONNEL**
S PHYSICIANS
- MEDICAL RESEARCH**
SA BIOMEDICAL RESEARCH
NASA SELECTS CENTER FOR LIFE SCIENCES RESEARCH
[NASA RELEASE-93-40] P93-10041 06
- MEDICINE /GEN/**
NASA MODIFIES FUNDING SUPPORT FOR CENTERS FOR COMMERCIAL DEVELOPMENT
[NASA RELEASE-93-225] P93-10226 06
- MEMBRANES**
S ION EXCHANGE MEMBRANES
- MESOSPHERE**
NASA SELECTS UPPER ATMOSPHERE INVESTIGATORS
[NASA RELEASE-93-123] P93-10124 06
- METABOLISM**
METABOLIC SPACEWALK STUDIES SUBJECT OF AMES RESEARCH
[NASA RELEASE-93-93] P93-10094 06
- METALS**
SA ALUMINUM
LEWIS SPACE RESEARCH SPAWNS WATER PURIFICATION SYSTEM
[NASA RELEASE-93-86] P93-10087 06
- METEOR SPACECRAFT**
1992 ANTARCTIC OZONE DEPLETION AS SEVERE AS ANY PREVIOUS YEAR
[NASA RELEASE-93-13] P93-10014 06
- METEOR-3 SATELLITE**
1992-93 GLOBAL OZONE LEVELS LOWER THAN ANY PREVIOUS YEAR
[NASA RELEASE-93-74] P93-10075 06
1993 ANTARCTIC OZONE HOLE REACHES RECORD LOWS
[NASA RELEASE-93-190] P93-10191 06
- METEOROLOGICAL SATELLITES**
S NIMBUS 7
S NOAA METEOROLOGICAL SATELLITES
S NOAA-11
S NOAA-13
- METEOROLOGY**
SA CLOUDS
SA LIGHTNING
SA THUNDERSTORMS
SA WEATHER FORECASTING
UNIVERSITIES FLY OZONE RESEARCH BALLOON FROM TEXAS TO FLA.
[NASA RELEASE-93-8] P93-10009 06
TOPEX/POSEIDON DATA CONFIRMS EL NINO PREDICTIONS
[NASA RELEASE-93-205] P93-10206 06
- METHANE**
NITROGEN ICE DISCOVERED ON PLUTO
[NASA RELEASE-93-142] P93-10143 06
- MICHIGAN STATE UNIV.**
HUBBLE DISCOVERS A DOUBLE NUCLEUS IN CORE OF ACTIVE GALAXY
[NASA RELEASE-93-6] P93-10007 06
- MICHIGAN UNIV.**
EVIDENCE POINTS TO OCEANS, LIGHTNING ON EARLY VENUS
[NASA RELEASE-93-51] P93-10052 06
HUBBLE FINDS A DOUBLE NUCLEUS IN THE ANDROMEDA GALAXY
[NASA RELEASE-93-133] P93-10134 06
- MICHIGAN UNIV., ANN ARBOR**
NASA SELECTS UPPER ATMOSPHERE INVESTIGATORS
[NASA RELEASE-93-123] P93-10124 06
- MICROBURSTS /METEOROLOGY/**
NEW WINDSHEAR SENSORS A GOVERNMENT-INDUSTRY 'SUCCESS STORY'
[NASA RELEASE-93-170] P93-10171 06
NASA, FAA CONSIDER REVISED WINDSHEAR PILOTING PROCEDURES
[NASA RELEASE-93-171] P93-10172 06
- MICROGRAVITY**
FIRST 1993 SHUTTLE MISSION DEMONSTRATES UNIQUE CAPABILITIES
[NASA RELEASE-93-4] P93-10004 06
SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE-93-4A] P93-10005 06
SECOND GERMAN SPACELAB MISSION IS SPACE SHUTTLE'S 54TH FLIGHT
[NASA RELEASE-93-20] P93-10021 06
CONSORT 6 LAUNCH DATE SET
[NASA RELEASE-93-22] P93-10023 06
NASA STUDY MAY HELP REDUCE LIGHTHEADEDNESS AFTER SPACE FLIGHT
[NASA RELEASE-93-30] P93-10031 06
STS-56 MISSION CONTINUES NASA'S MISSION TO PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06
STS-62 AND STS-59 SPACE SHUTTLE CREW ASSIGNMENTS ANNOUNCED
[NASA RELEASE-93-42] P93-10043 06
PRIME AND BACKUP COSMONAUTS NAMED FOR SHUTTLE STS-60 MISSION
[NASA RELEASE-93-61] P93-10062 06
- FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57 SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06
NASA JOINS FORCES WITH INDUSTRY IN AIDS RESEARCH
[NASA RELEASE-93-88] P93-10089 06
METABOLIC SPACEWALK STUDIES SUBJECT OF AMES RESEARCH
[NASA RELEASE-93-93] P93-10094 06
STS-58 SECOND SPACELAB MISSION DEDICATED TO LIFE SCIENCES
P93-10136 06
SHUTTLE MISSION TO CONDUCT SCIENTIFIC FIRST
[NASA RELEASE-93-173] P93-10174 06
NASA SELECTS FLIGHT TECHNOLOGY PROPOSALS
[NASA RELEASE-93-186] P93-10187 06
NASA TO DEVELOP AND BUILD SPACE STATION FURNACE FACILITY
[NASA RELEASE-93-211] P93-10212 06
REMARKS PREPARED FOR DELIVERY: BRUNEL'S PRODUCTION LINE - INSPIRATION, INNOVATION AND THE MARCH OF TECHNOLOGY; NATIONAL CENTER FOR MANUFACTURING SCIENCES 1993 ANNUAL MEETING, WASHINGTON, DC P93-10236 05
REMARKS PREPARED FOR DELIVERY: TO BOLDLY GO - GIVING THOUGHT TO WHAT COMES NEXT IN SPACE; NATIONAL SPACE CLUB SPACE OUTLOOK CONFERENCE, FAIRFAX, VIRGINIA P93-10238 05
PRESS CONFERENCE; JOHNSON SPACE CENTER, HOUSTON, TEXAS P93-10239 05
- MICROGRAVITY LABORATORY-1 /USML-1/**
PROTEIN CRYSTAL GROWTH RESEARCH TAKES STEP TOWARD NEW DRUGS
[NASA RELEASE-93-166] P93-10167 06
- MICROORGANISMS**
STUDENTS BEGIN NASA LIFE SCIENCES TRAINING PROGRAM
[NASA RELEASE-93-117] P93-10118 06
NASA SCIENTISTS CREATE EARTH BREATHING IMAGE
[NASA RELEASE-93-223] P93-10224 06
- MICROSCOPES**
ASTROPHYSICIST NAMED 1992 NASA INVENTOR OF THE YEAR
[NASA RELEASE-93-24] P93-10025 06
TECHNOLOGY 2003 TO HIGHLIGHT NEW TECHNOLOGICAL DISCOVERIES
[NASA RELEASE-93-212] P93-10213 06
- MICROWAVE ASTRONOMY**
BIG BANG THEORY PASSES TOUGHEST TEST
[NASA RELEASE-93-5] P93-10006 06
- MICROWAVE LIMB SOUNDER**
OZONE DESTROYING CHLORINE EXISTED LONGER IN 1992-93 WINTER
[NASA RELEASE-93-68] P93-10069 06
- MICROWAVE RADAR**
NEW WINDSHEAR SENSORS A GOVERNMENT-INDUSTRY 'SUCCESS STORY'
[NASA RELEASE-93-170] P93-10171 06
- MICROWAVE RADIOMETERS**
S DIFFERENTIAL MICROWAVE RADIOMETER
S MICROWAVE LIMB SOUNDER
- MILITARY AIRCRAFT**
S F/A-18 AIRCRAFT
- MILKY WAY**
DIAMONDS IN THE SKY CHALLENGE GALAXY EVOLUTION THEORIES
[NASA RELEASE-93-58] P93-10059 06
GAMMA-RAY OBSERVATORY PRODUCES THREE MAJOR DISCOVERIES
[NASA RELEASE-93-182] P93-10183 06
FROZEN MOLECULAR HYDROGEN DISCOVERED IN STELLAR NURSERY
[NASA RELEASE-93-187] P93-10188 06
- MINNESOTA UNIV.**
NASA RESEARCHERS RECORD UNUSUAL FLASHES IN UPPER ATMOSPHERE
[NASA RELEASE-93-167] P93-10168 06

MINORITIES

MINORITIES

MINORITY STUDENTS APPRENTICE ON SPACE RESEARCH
[NASA RELEASE-93-116] P93-10117 06

NASA FOSTERS AEROSPACE ENGINEERING AT SOUTHERN UNIVERSITY
[NASA RELEASE-93-197] P93-10198 06

MINORITY BUSINESS RESOURCE ADVISORY COMM.

NEW ADVISORY GROUP EYES MINORITY BUSINESSES
[NASA RELEASE-93-17] P93-10018 06

NASA EXCEEDS MINORITY SMALL BUSINESS GOAL AHEAD OF SCHEDULE
[NASA RELEASE-93-214] P93-10215 06

MINORITY BUSINESSES

NEW ADVISORY GROUP EYES MINORITY BUSINESSES
[NASA RELEASE-93-17] P93-10018 06

NASA CO-SPONSORS HIGH-TECH SMALL BUSINESS CONFERENCE
[NASA RELEASE-93-29] P93-10030 06

MINORITY CONTRACTORS OF THE YEAR AWARDS ANNOUNCED
[NASA RELEASE-93-177] P93-10178 06

NASA EXCEEDS MINORITY SMALL BUSINESS GOAL AHEAD OF SCHEDULE
[NASA RELEASE-93-214] P93-10215 06

REMARKS BY NASA ADMINISTRATOR DAN GOLDIN BEFORE THE JPL HIGH-TECH SMALL BUSINESS DEVELOPMENT PROCUREMENT CONFERENCE; LOS ANGELES, CALIFORNIA P93-10231 05

MINORITY CONTRACTOR OF THE YEAR AWARD

MINORITY CONTRACTORS OF THE YEAR AWARDS ANNOUNCED
[NASA RELEASE-93-177] P93-10178 06

MIR SPACE STATION

GIBBONS OUTLINES SPACE STATION REDESIGN GUIDANCE
[NASA RELEASE-93-64] P93-10065 06

NASA AND RUSSIAN SPACE AGENCY SIGN AGREEMENT FOR ADDITIONAL SPACE SHUTTLE/MIR MISSIONS
[NASA RELEASE-93-222] P93-10223 06

MISSION PLANS

EXPLORATION EFFORT SHIFTED TO OFFICE OF SPACE SCIENCE
[NASA RELEASE-93-54] P93-10055 06

PRIME AND BACKUP COSMONAUTS NAMED FOR SHUTTLE STS-60 MISSION
[NASA RELEASE-93-61] P93-10062 06

NASA NAMES TEAM TO STUDY RETURN TRIP TO MARS
[NASA RELEASE-93-157] P93-10158 06

NASA SELECTS SECOND SET OF SMALL EXPLORER MISSIONS
[NASA RELEASE-93-168] P93-10169 06

MISSION TO PLANET EARTH

STS-56 MISSION CONTINUES NASA'S MISSION TO PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06

SCIENTISTS FORESEE STRENGTHENING EL NINO EVENT
[NASA RELEASE-93-39] P93-10040 06

MT. PINATUBO ERUPTION CAUSES TEMPORARY COOLING OF EARTH
[NASA RELEASE-93-41] P93-10042 06

NASA AND CENTRAL AMERICA WILL EXPAND RAIN FOREST STUDIES
[NASA RELEASE-93-47] P93-10048 06

NASA AWARDS CONTRACT FOR EOSDIS CORE SYSTEM
[NASA RELEASE-93-56] P93-10057 06

OZONE DESTROYING CHLORINE EXISTED LONGER IN 1992-93 WINTER
[NASA RELEASE-93-68] P93-10069 06

1992-93 GLOBAL OZONE LEVELS LOWER THAN ANY PREVIOUS YEAR
[NASA RELEASE-93-74] P93-10075 06

SHUTTLE OZONE DATA RETRIEVED FROM ATMOS RECORDER
[NASA RELEASE-93-118] P93-10119 06

NASA STUDY REFINES ESTIMATES OF AMAZON DEFORESTATION
[NASA RELEASE-93-119] P93-10120 06

NASA EDUCATION TELECASTS SCHEDULED FOR 1993-94 SCHOOL YEAR
[NASA RELEASE-93-150] P93-10151 06

TOPEX/POSEIDON DATA CONFIRMS EL NINO PREDICTIONS
[NASA RELEASE-93-205] P93-10206 06

NASA SCIENTISTS CREATE EARTH BREATHING IMAGE
[NASA RELEASE-93-223] P93-10224 06

ADDRESS TO THE AIAA P93-10240 05

REMARKS GIVEN TO JOHN LOGSTONE SPACE POLICY CLASS; GEORGE WASHINGTON UNIVERSITY P93-10248 05

MISSISSIPPI RIVER

NASA PROVIDING MIDWEST FLOODING INFORMATION
[NASA RELEASE-93-134] P93-10135 06

MISSOURI

NASA PROVIDING MIDWEST FLOODING INFORMATION
[NASA RELEASE-93-134] P93-10135 06

NASA SPONSORING SMALL BUSINESS CONFERENCE ON DEC. 1-2
[NASA RELEASE-93-201] P93-10202 06

MISSOURI RIVER

NASA PROVIDING MIDWEST FLOODING INFORMATION
[NASA RELEASE-93-134] P93-10135 06

MOBILE TEACHER RESOURCE CENTER

S TEACHER RESOURCE CENTERS, NASA

MODELING

S COMPUTERIZED SIMULATION

MODELS

S ASTRONOMICAL MODELS
S WIND TUNNEL MODELS

MOLECULAR BIOLOGY

NASA SELECTS CENTER FOR LIFE SCIENCES RESEARCH
[NASA RELEASE-93-40] P93-10041 06

MOLECULAR STRUCTURE DETERMINATION

NASA JOINS FORCES WITH INDUSTRY IN AIDS RESEARCH
[NASA RELEASE-93-88] P93-10089 06

PROTEIN CRYSTAL GROWTH RESEARCH TAKES STEP TOWARD NEW DRUGS
[NASA RELEASE-93-166] P93-10167 06

MONITORS

NASA SPACE SUIT AND MEDICAL TECHNOLOGIES HONORED
[NASA RELEASE-93-69] P93-10070 06

JPL TEAM DEVELOPS SPECIAL POLLUTION DETECTION GLASS
[NASA RELEASE-93-209] P93-10210 06

MONTEREY BAY AQUARIUM RESEARCH INSTITUTE

ANTARCTIC TO BECOME LABORATORY FOR FUTURE MARS MISSIONS
[NASA RELEASE-93-178] P93-10179 06

MORGAN STATE COLLEGE, MD.

MINORITY STUDENTS APPRENTICE ON SPACE RESEARCH
[NASA RELEASE-93-116] P93-10117 06

MORPHOLOGY

S GEOMORPHOLOGY

MOSCOW CLINICAL HOSPITAL /RUSSIA/

NASA PROGRAM TO HELP VICTIMS OF RUSSIAN EMERGENCY
[NASA RELEASE-93-183] P93-10184 06

MOTION PICTURES

NASA PRESENTS PUBLIC SERVICE MEDAL TO GENE RODDENBERRY
[NASA RELEASE-93-19] P93-10020 06

MOTION SICKNESS

NASA AND NIDCD SELECT VESTIBULAR RESEARCH CENTER
[NASA RELEASE-93-111] P93-10112 06

SUBJECT INDEX

MOTOREN-UND TURBINEN-UNION, MUNICH, GERM.

NASA TESTING NEW, POWERFUL DUCTED FANS ENGINE FOR CIVIL JETS
[NASA RELEASE-93-103] P93-10104 06

MOUNT PINATUBO, PHILIPPINES

MT. PINATUBO ERUPTION CAUSES TEMPORARY COOLING OF EARTH
[NASA RELEASE-93-41] P93-10042 06

1992-93 GLOBAL OZONE LEVELS LOWER THAN ANY PREVIOUS YEAR
[NASA RELEASE-93-74] P93-10075 06

1993 ANTARCTIC OZONE HOLE REACHES RECORD LOWS
[NASA RELEASE-93-190] P93-10191 06

MOX /EXPERIMENT/

S MARS OXIDENT EXPERIMENT /MOX/

MSFC

S MARSHALL SPACE FLIGHT CENTER, ALA.

MULTIDISCIPL. ANAL. & DESIGN INDUS. CNSRT.

INDUSTRY TESTS NASA COMPUTER PROGRAMS FOR EFFICIENT DESIGNING
[NASA RELEASE-93-90] P93-10091 06

MULTIMEDIA

NATIONAL TECHNOLOGY AND EDUCATION INITIATIVES LAUNCHED
[NASA RELEASE-93-158] P93-10159 06

MULTISPECTRAL SCANNER

NASA-RUSSIAN MISSION EXPLORES KAMCHATKAN VOLCANOES
[NASA RELEASE-93-198] P93-10199 06

MUSCULOSKELETAL SYSTEM

SA BONES

STS-58 SECOND SPACELAB MISSION DEDICATED TO LIFE SCIENCES P93-10136 06

N

NACELLES

NASA STARTS PHASE II OF SUPERSONIC AIRLINER EFFORT
[NASA RELEASE-93-202] P93-10203 06

NAMING

NASA GROUND TERMINALS RECEIVE NATIVE AMERICAN NAMES
[NASA RELEASE-93-83] P93-10084 06

NAS

S NATIONAL ACADEMY OF SCIENCES

NASA HIGH ALPHA PROGRAM

S HIGH ALPHA PROGRAM

NASA SELECT TELEVISION

REMARKS BY NASA ADMINISTRATOR DAN GOLDIN BEFORE THE JPL HIGH-TECH SMALL BUSINESS DEVELOPMENT PROCUREMENT CONFERENCE; LOS ANGELES, CALIFORNIA P93-10231 05

PRESS CONFERENCE; JOHNSON SPACE CENTER, HOUSTON, TEXAS P93-10239 05

NASA SPECIALIZED CENTERS OF R&T

S SPECIALIZED CENTERS OF RESEARCH & TRAINING

NASDA

S JAPANESE SPACE AGENCY

NATIONAL ACADEMY OF PUBLIC ADMINISTRATION

SPACE STATION REDESIGN ADVISORY MEMBERS NAMED
[NASA RELEASE-93-59] P93-10060 06

NATIONAL ACADEMY OF SCIENCES

SA SPACE SCIENCE BOARD, NAS-NRC

GLOBAL CHANGE RESEARCH; ACADEMY OF SCIENCES, NATIONAL RESEARCH COUNCIL BUILDING, WASHINGTON, DC P93-10244 05

NATIONAL AERON. AND SPACE ADMIN.

SA AMES RESEARCH CENTER, MOFFETT FIELD, CA.
 SA CLASSROOM OF THE FUTURE PROGRAM
 SA CONTRACTING AND PROCUREMENT
 SA DRYDEN FLIGHT RESEARCH FACILITY, CALIF.
 SA EDUCATIONAL PROGRAMS
 SA GODDARD INST. FOR SPACE STUDIES, N.Y.
 SA GODDARD SPACE FLIGHT CTR., GREENBELT, MD.
 SA HEADQUARTERS, NASA, WASHINGTON, D.C.
 SA JET PROPULSION LAB., PASADENA, CALIF.
 SA JOHNSON SPACE CENTER, HOUSTON, TEX.
 SA KENNEDY SPACE CENTER, COCOA BEACH, FLA.
 SA LANGLEY RESEARCH CENTER, HAMPTON, VA.
 SA LEWIS RESEARCH CENTER, CLEVELAND, OHIO
 SA MARSHALL SPACE FLIGHT CENTER, ALA.
 SA OFFICE OF ADMINISTRATION, NASA
 SA OFFICE OF ADVANCED CONCEPTS AND TECHNOLOGY
 SA OFFICE OF AERONAUTICS AND SPACE TECHNOLOGY
 SA OFFICE OF EDUC. PROGRAMS AND SERV., NASA
 SA OFFICE OF EQUAL OPPORTUNITY PROGRAMS
 SA OFFICE OF EXPLORATION, NASA
 SA OFFICE OF LEGISLATIVE AFFAIRS
 SA OFFICE OF PLANETARY PROGRAM, NASA
 SA OFFICE OF PROCUREMENT
 SA OFFICE OF PUBLIC AFFAIRS, NASA
 SA OFFICE OF SAFETY & MISSION ASSURANCE, NASA
 SA OFFICE OF SAFETY AND MISSION QUALITY, NASA
 SA OFFICE OF SMALL & DISADVANTAGED BUSINESS
 SA OFFICE OF SMALL BUSINESS OUTREACH, NASA
 SA OFFICE OF SPACE COMMUNICATIONS, NASA
 SA OFFICE OF SPACE FLIGHT
 SA OFFICE OF SPACE SCIENCE AND APPLICATIONS
 SA OFFICE OF SPACE STATION
 SA OFFICE OF SPACE SYSTEMS DEVELOPMENT, NASA
 SA OFFICE OF TECHNOLOGY UTILIZATION, NASA
 SA OFFICE OF THE ADMINISTRATOR, NASA
 SA SMALL BUSINESS INNOVATION RES. OFF., NASA
 SA SOLAR SYSTEM EXPLORATION DIVISION, NASA
 SA SPACE SHUTTLE PROGRAM OFFICE, NASA
 SA STRATEGIC PLANNING COUNCIL, NASA

NASA AND NATIONAL INDUSTRY RESEARCH GROUP SIGN AGREEMENT
 [NASA RELEASE-93-82] P93-10083 06

INTERNATIONAL MARS EXPLORATION GROUP FORMED
 [NASA RELEASE-93-87] P93-10088 06

NASA AND GERMAN SPACE AGENCY SIGN SPACE AGREEMENT
 [NASA RELEASE-93-129] P93-10130 06

HUBBLE SUPPORTS BLACK HOLE MODEL FOR ACTIVE GALAXIES
 [NASA RELEASE-93-130] P93-10131 06

HUBBLE IDENTIFIES A SOURCE OF MYSTERIOUS X-RAY BURSTS
 [NASA RELEASE-93-156] P93-10157 06

MARS OBSERVER INVESTIGATION BOARD MEMBERS NAMED
 [NASA RELEASE-93-159] P93-10160 06

NATIONAL AEROSPACE PLANE

S AEROSPACE PLANES

NATIONAL AEROSPACE PLANE PROGRAM

NASA OSHKOSH EXHIBIT HIGHLIGHTS U.S. 'LEADERSHIP IN AERONAUTICS'
 [NASA RELEASE-93-128] P93-10129 06

NASA BOOSTS HYPERSONIC RESEARCH WITH UNIVERSITY GRANTS
 [NASA RELEASE-93-152] P93-10153 06

NATIONAL CENTER FOR ATMOSPHERIC RES., COLO

NASA SELECTS UPPER ATMOSPHERE INVESTIGATORS
 [NASA RELEASE-93-123] P93-10124 06

NATIONAL CENTER FOR MANUFACTURING SCIENCE

NASA AND NATIONAL INDUSTRY RESEARCH GROUP SIGN AGREEMENT
 [NASA RELEASE-93-82] P93-10083 06

REMARKS PREPARED FOR DELIVERY: BRUNEL'S PRODUCTION LINE - INSPIRATION, INNOVATION AND THE MARCH OF TECHNOLOGY; NATIONAL CENTER FOR MANUFACTURING SCIENCES 1993 ANNUAL MEETING, WASHINGTON, DC P93-10236 05

NATIONAL CENTER FOR SPACE STUDIES, FRANCE

S CENTRE NATL. D'ETUDES SPATIALES, FRANCE

NATIONAL ENVIRONMENTAL SATELLITE SERVICE

1992-93 GLOBAL OZONE LEVELS LOWER THAN ANY PREVIOUS YEAR
 [NASA RELEASE-93-74] P93-10075 06

NATIONAL FULL-SCALE AERODYNAMIC COMPLEX

WORLD'S LARGEST WIND TUNNEL WILL BE WORLD'S QUIETEST
 [NASA RELEASE-93-81] P93-10082 06

NASA TESTING NEW, POWERFUL DUCTED FANS ENGINE FOR CIVIL JETS
 [NASA RELEASE-93-103] P93-10104 06

NATIONAL INST. OF STANDARDS AND TECHNOLOGY

NEW TECHNOLOGY REINVESTMENT PROJECT SEMINAR SET FOR APRIL 1
 [NASA RELEASE-93-57] P93-10058 06

NASA, OTHER AGENCIES TO EXPLAIN TECHNOLOGY REINVESTMENT
 [NASA RELEASE-93-65] P93-10066 06

SOLICITATION ISSUED FOR TECHNOLOGY REINVESTMENT PROPOSALS
 [NASA RELEASE-93-85] P93-10086 06

NATIONAL INST. ON DEAFNESS & OTHER DISORD.

NASA AND NIDCD SELECT VESTIBULAR RESEARCH CENTER
 [NASA RELEASE-93-111] P93-10112 06

NATIONAL MEDAL OF TECHNOLOGY

ARCHITECT OF NASA TECHNOLOGY INCUBATORS TO RECEIVE AWARD
 [NASA RELEASE-93-176] P93-10177 06

NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.

SA NATIONAL ENVIRONMENTAL SATELLITE SERVICE
 SA NOAA-11

AAAS TO HONOR NASA SCIENTIST FOR OZONE RESEARCH
 [NASA RELEASE-93-26] P93-10027 06

1992-93 GLOBAL OZONE LEVELS LOWER THAN ANY PREVIOUS YEAR
 [NASA RELEASE-93-74] P93-10075 06

CONTROLLERS LOSE CONTACT WITH NOAA-13 SATELLITE
 [NASA RELEASE-93-151] P93-10152 06

NASA/NOAA PANEL TO INVESTIGATE NOAA-13 FAILURE
 [NASA RELEASE-93-154] P93-10155 06

MARS OBSERVER INVESTIGATION BOARD MEMBERS NAMED
 [NASA RELEASE-93-159] P93-10160 06

1993 ANTARCTIC OZONE HOLE REACHES RECORD LOWS
 [NASA RELEASE-93-190] P93-10191 06

TOPEX/POSEIDON DATA CONFIRMS EL NINO PREDICTIONS
 [NASA RELEASE-93-205] P93-10206 06

NASA HELPS PROVIDE FAMINE EARLY WARNING FOR AFRICA
 [NASA RELEASE-93-213] P93-10214 06

NASA SCIENTISTS CREATE EARTH BREATHING IMAGE
 [NASA RELEASE-93-223] P93-10224 06

NATIONAL OPTICAL ASTRONOMY OBSERVATORIES

HUBBLE FINDS A DOUBLE NUCLEUS IN THE ANDROMEDA GALAXY
 [NASA RELEASE-93-133] P93-10134 06

NATIONAL RESEARCH COUNCIL

SA SPACE SCIENCE BOARD, NAS-NRC

NASA USES NEW METHOD TO DETECT NEW STARS AND PLANETS
 [NASA RELEASE-93-106] P93-10107 06

GLOBAL CHANGE RESEARCH; ACADEMY OF SCIENCES, NATIONAL RESEARCH COUNCIL BUILDING, WASHINGTON, DC P93-10244 05

NATIONAL SCIENCE FOUNDATION

NEW TECHNOLOGY REINVESTMENT PROJECT SEMINAR SET FOR APRIL 1
 [NASA RELEASE-93-57] P93-10058 06

NASA, OTHER AGENCIES TO EXPLAIN TECHNOLOGY REINVESTMENT
 [NASA RELEASE-93-65] P93-10066 06

SOLICITATION ISSUED FOR TECHNOLOGY REINVESTMENT PROPOSALS
 [NASA RELEASE-93-85] P93-10086 06

HUBBLE SUPPORTS BLACK HOLE MODEL FOR ACTIVE GALAXIES
 [NASA RELEASE-93-130] P93-10131 06

ANTARCTIC TO BECOME LABORATORY FOR FUTURE MARS MISSIONS
 [NASA RELEASE-93-178] P93-10179 06

DANTE ROBOT TO EXPLORE ACTIVE ALASKA VOLCANO IN SPRING
 [NASA RELEASE-93-195] P93-10196 06

NATIONAL SCIENCE TEACHERS ASSOCIATION

TWENTY NATIONAL STUDENT WINNERS HONORED IN WASHINGTON
 [NASA RELEASE-93-175] P93-10176 06

NATIONAL SPACE CLUB

REMARKS PREPARED FOR DELIVERY: TO BOLDLY GO - GIVING THOUGHT TO WHAT COMES NEXT IN SPACE; NATIONAL SPACE CLUB SPACE OUTLOOK CONFERENCE, FAIRFAX, VIRGINIA P93-10238 05

NATIONAL SPACE DEVELOP. AGENCY, JAPAN

S JAPANESE SPACE AGENCY

NATIONAL SPACE GRANT COLL./FELLOWSHIP PRG.

UNIVERSITIES FLY OZONE RESEARCH BALLOON FROM TEXAS TO FLA.
 [NASA RELEASE-93-8] P93-10009 06

NATIONAL SPACE POLICY

REMARKS GIVEN TO JOHN LOGSTONE SPACE POLICY CLASS; GEORGE WASHINGTON UNIVERSITY P93-10248 05

NATIONAL SPACE SCIENCE DATA CENTER, GSFC

COBE 'BIG BANG' DATA MADE AVAILABLE TO SCIENTIFIC COMMUNITY
 [NASA RELEASE-93-145] P93-10146 06

NATIONAL SPACE SCIENCE SYMPOSIUM

TWENTY NATIONAL STUDENT WINNERS HONORED IN WASHINGTON
 [NASA RELEASE-93-175] P93-10176 06

NATIONAL SPACE TECHNOLOGY LAB., NASA

S STENNIS SPACE CENTER, MISS.

NATIONAL TECHNOLOGY INITIATIVE /NIT/

NATIONAL TECHNOLOGY AND EDUCATION INITIATIVES LAUNCHED
 [NASA RELEASE-93-158] P93-10159 06

NATIONAL TECHNOLOGY TRANSFER CENTER

NEW TECHNOLOGY REINVESTMENT PROJECT SEMINAR SET FOR APRIL 1
 [NASA RELEASE-93-57] P93-10058 06

TECHNOLOGY TRANSFER CENTER TO WORK WITH SDIO TO AID INDUSTRY
 [NASA RELEASE-93-77] P93-10078 06

NATIONAL TECHNOLOGY AND EDUCATION INITIATIVES LAUNCHED
 [NASA RELEASE-93-158] P93-10159 06

NATURAL SATELLITES

S CHARON
 S IO
 S TRITON

NAVAL RESEARCH LAB., WASHINGTON, D.C.

SCIENTISTS FORESEE STRENGTHENING EL NINO EVENT
 [NASA RELEASE-93-39] P93-10040 06

CLEMENTINE MISSION SCIENCE TEAM SELECTED
 [NASA RELEASE-93-66] P93-10067 06

MARS OBSERVER INVESTIGATION BOARD MEMBERS NAMED
 [NASA RELEASE-93-159] P93-10160 06

NAVIGATION

S GUIDANCE AND NAVIGATION SYSTEMS

NAVIGATION SATELLITE SYSTEM

SUBJECT INDEX

NAVIGATION SATELLITE SYSTEM

FLIGHT TESTS PROVE SIMPLER SATELLITE-GUIDED
AUTOLAND METHOD
[NASA RELEASE-93-165] P93-10166 06

NAVIGATION SATELLITES

FLIGHT TESTS PROVE SIMPLER SATELLITE-GUIDED
AUTOLAND METHOD
[NASA RELEASE-93-165] P93-10166 06

NAVY, U.S.

MARS OBSERVER INVESTIGATION BOARD
MEMBERS NAMED
[NASA RELEASE-93-159] P93-10160 06

NEAR EARTH ASTEROID RENDEZVOUS /NEAR/

NASA BEGINS DEVELOPMENT OF FIRST
ASTEROID-ORBITING MISSION
[NASA RELEASE-93-220] P93-10221 06

NEBRASKA

NASA PROVIDING MIDWEST FLOODING
INFORMATION
[NASA RELEASE-93-134] P93-10135 06

NEBULAE

GAMMA-RAY OBSERVATORY PRODUCES THREE
MAJOR DISCOVERIES
[NASA RELEASE-93-182] P93-10183 06

NESS

S NATIONAL ENVIRONMENTAL SATELLITE
SERVICE

NEUTRAL BUOYANCY SIMULATOR

HUBBLE SERVICING MISSION STUDY COMPLETED
[NASA RELEASE-93-96] P93-10097 06

NEUTRON STARS

NASA SATELLITE DATA SHAKE THEORIES ON
GAMMA-RAY BURSTS
[NASA RELEASE-93-72] P93-10073 06

COMPTON OBSERVATORY DISCOVERS INTENSE,
NEW X-RAY PULSAR
[NASA RELEASE-93-141] P93-10142 06

HUBBLE IDENTIFIES A SOURCE OF MYSTERIOUS
X-RAY BURSTS
[NASA RELEASE-93-156] P93-10157 06

NEW ENGLAND

S NEW HAMPSHIRE

NEW HAMPSHIRE

NASA SMALL BUSINESS OUTREACH OFFICE TO
OPEN IN NASHUA, N.H.
[NASA RELEASE-93-206] P93-10207 06

NEW HAMPSHIRE TECHNICAL COLLEGE, NASHUA

NASA SMALL BUSINESS OUTREACH OFFICE TO
OPEN IN NASHUA, N.H.
[NASA RELEASE-93-206] P93-10207 06

NEW HAMPSHIRE UNIV., DURHAM

NASA STUDY REFINES ESTIMATES OF AMAZON
DEFORESTATION
[NASA RELEASE-93-119] P93-10120 06

GAMMA-RAY OBSERVATORY PRODUCES THREE
MAJOR DISCOVERIES
[NASA RELEASE-93-182] P93-10183 06

NEW MEXICO SPACE GRANT CONSORTIUM

NASA GROUND TERMINALS RECEIVE NATIVE
AMERICAN NAMES
[NASA RELEASE-93-83] P93-10084 06

NEW MEXICO STATE UNIV.

NASA GROUND TERMINALS RECEIVE NATIVE
AMERICAN NAMES
[NASA RELEASE-93-83] P93-10084 06

NEW SPECTRAL IMAGING PROCESSING SYSTEM

SATELLITE DATA GET NEW LEASE ON LIFE FROM
SOFTWARE BOOST
[NASA RELEASE-93-164] P93-10165 06

NEW YORK STATE UNIV., STONY BROOK

CATARACT SUFFERERS COULD BENEFIT FROM
SPACE TECHNOLOGY
[NASA RELEASE-93-45] P93-10046 06

NEW YORK TIMES

NASA INTERVIEW WITH BILL BROAD, NEW YORK
TIMES SCIENCE WRITER P93-10241 05

NEW YORK TIMES INTERVIEW P93-10242 05

NEWS MEDIA

S NEW YORK TIMES

NEWSIPS

S NEW SPECTRAL IMAGING PROCESSING
SYSTEM

NICARAGUA

NASA AND CENTRAL AMERICA WILL EXPAND RAIN
FOREST STUDIES
[NASA RELEASE-93-47] P93-10048 06

NIDCD

S NATIONAL INST. ON DEAFNESS & OTHER
DISORD.

NIMBUS SATELLITES

S NIMBUS 7

NIMBUS 7

1992 ANTARCTIC OZONE DEPLETION AS SEVERE
AS ANY PREVIOUS YEAR
[NASA RELEASE-93-13] P93-10014 06

1992-93 GLOBAL OZONE LEVELS LOWER THAN ANY
PREVIOUS YEAR
[NASA RELEASE-93-74] P93-10075 06

NIST

S NATIONAL INST. OF STANDARDS AND
TECHNOLOGY

NIT /NATIONAL TECHNOLOGY INITIATIVE/

S NATIONAL TECHNOLOGY INITIATIVE /NIT/

NITROGEN OXIDES

NASA TO DEVELOP TECHNOLOGY FOR FUTURE
HIGH-SPEED TRANSPORTS
[NASA RELEASE-93-52] P93-10053 06

NOAA METEOROLOGICAL SATELLITES

SA NOAA-11

SA NOAA-13

CONTROLLERS LOSE CONTACT WITH NOAA-13
SATELLITE
[NASA RELEASE-93-151] P93-10152 06

NASA HELPS PROVIDE FAMINE EARLY WARNING
FOR AFRICA
[NASA RELEASE-93-213] P93-10214 06

NOAA-11

1992-93 GLOBAL OZONE LEVELS LOWER THAN ANY
PREVIOUS YEAR
[NASA RELEASE-93-74] P93-10075 06

NOAA-13

CONTROLLERS LOSE CONTACT WITH NOAA-13
SATELLITE
[NASA RELEASE-93-151] P93-10152 06

NASA/NOAA PANEL TO INVESTIGATE NOAA-13
FAILURE
[NASA RELEASE-93-154] P93-10155 06

NOISE REDUCTION

NASA TO DEVELOP TECHNOLOGY FOR FUTURE
HIGH-SPEED TRANSPORTS
[NASA RELEASE-93-52] P93-10053 06

WORLD'S LARGEST WIND TUNNEL WILL BE
WORLD'S QUIETEST
[NASA RELEASE-93-81] P93-10082 06

SATELLITE DATA GET NEW LEASE ON LIFE FROM
SOFTWARE BOOST
[NASA RELEASE-93-164] P93-10165 06

NASA STARTS PHASE II OF SUPERSONIC AIRLINER
EFFORT
[NASA RELEASE-93-202] P93-10203 06

NOISE REDUCTION RESEARCH

WORLD'S LARGEST WIND TUNNEL WILL BE
WORLD'S QUIETEST
[NASA RELEASE-93-81] P93-10082 06

NONDESTRUCTIVE TESTS

NASA AND SUPRA MEDICAL CORP. TO DEVELOP
ULTRASOUND DETECTOR
[NASA RELEASE-93-125] P93-10126 06

NASA ADAPTING UNIQUE X-RAY SYSTEM TO
INSPECT AIRCRAFT
[NASA RELEASE-93-137] P93-10138 06

NORTHERN ARIZONA UNIV.

HUBBLE INVESTIGATES COMET ON A COLLISION
COURSE WITH JUPITER
[NASA RELEASE-93-188] P93-10189 06

NORTHWEST AIRLINES

NASA, FAA CONSIDER REVISED WINDSHEAR
PILOTING PROCEDURES
[NASA RELEASE-93-171] P93-10172 06

COCKPIT WEATHER SYSTEM MAY SAVE AIRLINES
\$6 MILLION PER YEAR
[NASA RELEASE-93-194] P93-10195 06

NORTHWESTERN UNIV., EVANSTON, ILL.

NASA AND NIDCD SELECT VESTIBULAR RESEARCH
CENTER
[NASA RELEASE-93-111] P93-10112 06

NOVA CYGNI 1992

HUBBLE SEES GAS SHELL AROUND NOVA CYGNI
1992
[NASA RELEASE-93-174] P93-10175 06

NOVAE

S NOVA CYGNI 1992

NOZZLES

NASA STARTS PHASE II OF SUPERSONIC AIRLINER
EFFORT
[NASA RELEASE-93-202] P93-10203 06

YELLOW CREEK FACILITIES TARGETED FOR
SHUTTLE NOZZLE WORK
[NASA RELEASE-93-215] P93-10216 06

NRC

S NATIONAL RESEARCH COUNCIL

NSCORT

S SPECIALIZED CENTERS OF RESEARCH &
TRAINING

NSF

S NATIONAL SCIENCE FOUNDATION

NTTC

S NATIONAL TECHNOLOGY TRANSFER CENTER

NYMA, INC., GREENBELT, MD

NASA AWARDS CONTRACT FOR EOSDIS CORE
SYSTEM
[NASA RELEASE-93-56] P93-10057 06

O

OAST-2

STS-62 AND STS-59 SPACE SHUTTLE CREW
ASSIGNMENTS ANNOUNCED
[NASA RELEASE-93-42] P93-10043 06

OBSERVATORIE DE PARIS, FRANCE

NITROGEN ICE DISCOVERED ON PLUTO
[NASA RELEASE-93-142] P93-10143 06

OBSERVATORIES

S DOMINION ASTROPHYSICAL OBSERVATORY,
CANADA
S GAMMA RAY OBSERVATORY
S GEOLOGICAL SURVEY OBS., FLAGSTAFF, ARIZ.
S OBSERVATORIE DE PARIS, FRANCE
S PALOMAR OBSERVATORY, PASADENA, CALIF.
S ROYAL GREENWICH OBSERVATORY, ENGLAND
S ROYAL OBSERVATORY, EDINBURGH,
SCOTLAND

OCEAN BOTTOM

ANTARCTIC TO BECOME LABORATORY FOR
FUTURE MARS MISSIONS
[NASA RELEASE-93-178] P93-10179 06

OCEAN CURRENTS

SCIENTISTS FORESEE STRENGTHENING EL NINO
EVENT
[NASA RELEASE-93-39] P93-10040 06

TOPEX/POSEIDON DATA CONFIRMS EL NINO
PREDICTIONS
[NASA RELEASE-93-205] P93-10206 06

OCEAN SURFACE

TOPEX POSEIDON MAPS PRECISE GLOBAL SEA
LEVEL
[NASA RELEASE-93-122] P93-10123 06

OCEANOGRAPHY

SCIENTISTS FORESEE STRENGTHENING EL NINO
EVENT
[NASA RELEASE-93-39] P93-10040 06

TOPEX POSEIDON MAPS PRECISE GLOBAL SEA
LEVEL
[NASA RELEASE-93-122] P93-10123 06

TOPEX/POSEIDON DATA CONFIRMS EL NINO
PREDICTIONS
[NASA RELEASE-93-205] P93-10206 06

OCEANS

EVIDENCE POINTS TO OCEANS, LIGHTNING ON
EARLY VENUS
[NASA RELEASE-93-51] P93-10052 06

OFFICE OF ADMINISTRATION, NASA

ORGANIZATIONAL CHANGES TO ENHANCE
PROGRAMS, RELATIONS
[NASA RELEASE-93-44] P93-10045 06

NASA AND THE RUSSIAN SPACE AGENCY SIGN
MARS '94 CONTRACT
[NASA RELEASE-93-62] P93-10063 06

GIBBONS OUTLINES SPACE STATION REDESIGN
GUIDANCE
[NASA RELEASE-93-64] P93-10065 06

OFFICE OF ADVANCED CONCEPTS AND
TECHNOLOGY

GOLDIN CALLS FOR IMPROVED TECHNOLOGY
TRANSFER TO INDUSTRY
[NASA RELEASE-93-9] P93-10010 06

CONSORT 6 LAUNCH DATE SET
[NASA RELEASE-93-22] P93-10023 06

NASA SELECTS SMALL BUSINESS INNOVATION
RESEARCH PROJECTS
[NASA RELEASE-93-33] P93-10034 06

NASA FUNDS EXPERIMENT TO HELP
COMMERCIALIZE TECHNOLOGY
[NASA RELEASE-93-37] P93-10038 06

ORGANIZATIONAL CHANGES TO ENHANCE
PROGRAMS, RELATIONS
[NASA RELEASE-93-44] P93-10045 06

NASA, OTHER AGENCIES TO EXPLAIN
TECHNOLOGY REINVESTMENT
[NASA RELEASE-93-65] P93-10066 06

NASA TO COMMERCIALIZE REMOTE-CONTROL
TECHNOLOGY
[NASA RELEASE-93-100] P93-10101 06

ARCHITECT OF NASA TECHNOLOGY INCUBATORS
TO RECEIVE AWARD
[NASA RELEASE-93-176] P93-10177 06

ANTARCTIC TO BECOME LABORATORY FOR
FUTURE MARS MISSIONS
[NASA RELEASE-93-178] P93-10179 06

DIRECTOR OF AMES TECHNOLOGY
COMMERCIALIZATION CENTER NAMED
[NASA RELEASE-93-185] P93-10186 06

NASA SELECTS FLIGHT TECHNOLOGY
PROPOSALS
[NASA RELEASE-93-186] P93-10187 06

NASA SELECTS PHASE II SMALL BUSINESS
PROJECTS
[NASA RELEASE-93-219] P93-10220 06

NASA MODIFIES FUNDING SUPPORT FOR CENTERS
FOR COMMERCIAL DEVELOPMENT
[NASA RELEASE-93-225] P93-10226 06

OFFICE OF AERONAUTICS AND SPACE TECHNOLOGY

NASA TO FEATURE VIDEOWALL AT PARIS AIR
SHOW
[NASA RELEASE-93-92] P93-10093 06

OFFICE OF AERONAUTICS, NASA

ORGANIZATIONAL CHANGES TO ENHANCE
PROGRAMS, RELATIONS
[NASA RELEASE-93-44] P93-10045 06

NASA BOOSTS HYPERSONIC RESEARCH WITH
UNIVERSITY GRANTS
[NASA RELEASE-93-152] P93-10153 06

COCKPIT WEATHER SYSTEM MAY SAVE AIRLINES
\$6 MILLION PER YEAR
[NASA RELEASE-93-194] P93-10195 06

NASA FOSTERS AEROSPACE ENGINEERING AT
SOUTHERN UNIVERSITY
[NASA RELEASE-93-197] P93-10198 06

NASA ANNOUNCES NEW SEMICONDUCTOR
GROWTH PROCESS
[NASA RELEASE-93-200] P93-10201 06

NASA TAPS 20 SCHOOLS FOR AERONAUTICS
ENGINEERING GRANTS
[NASA RELEASE-93-210] P93-10211 06

PERSEUS RESEARCH AIRCRAFT MAKES FIRST
TEST FLIGHT
[NASA RELEASE-93-227] P93-10228 06

OFFICE OF EDUC. PROGRAMS AND SERV., NASA

NATIONAL TECHNOLOGY AND EDUCATION
INITIATIVES LAUNCHED
[NASA RELEASE-93-158] P93-10159 06

OFFICE OF EQUAL OPPORTUNITY PROGRAMS

NASA FOSTERS AEROSPACE ENGINEERING AT
SOUTHERN UNIVERSITY
[NASA RELEASE-93-197] P93-10198 06

OFFICE OF EXPLORATION, NASA

EXPLORATION EFFORT SHIFTED TO OFFICE OF
SPACE SCIENCE
[NASA RELEASE-93-54] P93-10055 06

OFFICE OF HIGH-SPEED RESEARCH, NASA

NASA AWARDS HIGH-SPEED AIR TRANSPORT
MATERIALS STUDY CONTRACTS
[NASA RELEASE-93-124] P93-10125 06

OFFICE OF LEGISLATIVE AFFAIRS

JEFF LAWRENCE APPOINTED TO HEAD
LEGISLATIVE AFFAIRS FOR NASA
[NASA RELEASE-93-70] P93-10071 06

OFFICE OF LIFE & MICROGRAVITY SCI. & APPL.

ORGANIZATIONAL CHANGES TO ENHANCE
PROGRAMS, RELATIONS
[NASA RELEASE-93-44] P93-10045 06

OFFICE OF MISSION TO PLANET EARTH, NASA

ORGANIZATIONAL CHANGES TO ENHANCE
PROGRAMS, RELATIONS
[NASA RELEASE-93-44] P93-10045 06

NASA AND CENTRAL AMERICA WILL EXPAND RAIN
FOREST STUDIES
[NASA RELEASE-93-47] P93-10048 06

OZONE DESTROYING CHLORINE EXISTED LONGER
IN 1992-93 WINTER
[NASA RELEASE-93-68] P93-10069 06

1992-93 GLOBAL OZONE LEVELS LOWER THAN ANY
PREVIOUS YEAR
[NASA RELEASE-93-74] P93-10075 06

TOPEX POSEIDON MAPS PRECISE GLOBAL SEA
LEVEL
[NASA RELEASE-93-122] P93-10123 06

NASA/NOAA PANEL TO INVESTIGATE NOAA-13
FAILURE
[NASA RELEASE-93-154] P93-10155 06

NASA SCIENTISTS CREATE EARTH BREATHING
IMAGE
[NASA RELEASE-93-223] P93-10224 06

OFFICE OF PLANETARY PROGRAM, NASA

FROZEN MOLECULAR HYDROGEN DISCOVERED IN
STELLAR NURSERY
[NASA RELEASE-93-187] P93-10188 06

OFFICE OF PLANETARY SCIENCE & ASTROPHYSICS

S OFFICE OF SPACE SCIENCE, NASA

OFFICE OF PROCUREMENT

LEE NAMED NASA PROCUREMENT CHIEF
[NASA RELEASE-93-11] P93-10012 06

ORGANIZATIONAL CHANGES TO ENHANCE
PROGRAMS, RELATIONS
[NASA RELEASE-93-44] P93-10045 06

OFFICE OF PUBLIC AFFAIRS, NASA

VINCENT NAMED ACTING PUBLIC AFFAIRS HEAD
[NASA RELEASE-93-15] P93-10016 06

OFFICE OF SAFETY & MISSION ASSURANCE, NASA

NASA/NOAA PANEL TO INVESTIGATE NOAA-13
FAILURE
[NASA RELEASE-93-154] P93-10155 06

NASA BOARD TO INVESTIGATE STS-51 HARDWARE
PROBLEM
[NASA RELEASE-93-184] P93-10185 06

OFFICE OF SAFETY AND MISSION QUALITY, NASA

TWENTY NATIONAL STUDENT WINNERS HONORED
IN WASHINGTON
[NASA RELEASE-93-175] P93-10176 06

OFFICE OF SCIENCE AND TECHNOLOGY POLICY

GIBBONS OUTLINES SPACE STATION REDESIGN
GUIDANCE
[NASA RELEASE-93-64] P93-10065 06

SPACE STATION HOST CENTER AND PRIME
CONTRACTOR ANNOUNCED
[NASA RELEASE-93-148] P93-10149 06

OFFICE OF SMALL & DISADVANTAGED BUSINESS

NEW ADVISORY GROUP EYES MINORITY
BUSINESSES
[NASA RELEASE-93-17] P93-10018 06

NASA CO-SPONSORS HIGH-TECH SMALL BUSINESS
CONFERENCE
[NASA RELEASE-93-29] P93-10030 06

OFFICE OF SMALL BUSINESS OUTREACH, NASA

NASA SMALL BUSINESS OUTREACH OFFICE TO
OPEN IN NASHUA, N.H.
[NASA RELEASE-93-206] P93-10207 06

OFFICE OF SPACE & TERRESTRIAL APPLICATIONS

STS-62 AND STS-59 SPACE SHUTTLE CREW
ASSIGNMENTS ANNOUNCED
[NASA RELEASE-93-42] P93-10043 06

OFFICE OF SPACE COMMUNICATIONS, NASA

NASA TDRSS NETWORK MARKS 10 YEARS OF
OPERATION
[NASA RELEASE-93-60] P93-10061 06

NASA GROUND TERMINALS RECEIVE NATIVE
AMERICAN NAMES
[NASA RELEASE-93-83] P93-10084 06

TDRSS C-BAND AGREEMENT RESTRUCTURED
[NASA RELEASE-93-126] P93-10127 06

OFFICE OF SPACE FLIGHT

PEARSON ANNOUNCES SHUTTLE PROGRAM
ADJUSTMENTS
[NASA RELEASE-93-49] P93-10050 06

NASA TO FEATURE VIDEOWALL AT PARIS AIR
SHOW
[NASA RELEASE-93-92] P93-10093 06

STATION REDESIGN TEAM TO SUBMIT FINAL
REPORT
[NASA RELEASE-93-104] P93-10105 06

NASA BOARD TO INVESTIGATE STS-51 HARDWARE
PROBLEM
[NASA RELEASE-93-184] P93-10185 06

GOLDIN ANNOUNCES KEY SPACE STATION
MANAGEMENT MOVES
[NASA RELEASE-93-191] P93-10192 06

YELLOW CREEK FACILITIES TARGETED FOR
SHUTTLE NOZZLE WORK
[NASA RELEASE-93-215] P93-10216 06

OFFICE OF SPACE SCIENCE AND APPLICATIONS

SA EARTH SCIENCE AND APPLICATIONS DIV.,
NASA

1992 ANTARCTIC OZONE DEPLETION AS SEVERE
AS ANY PREVIOUS YEAR
[NASA RELEASE-93-13] P93-10014 06

NASA SELECTS 11 DISCOVERY MISSION CONCEPTS
FOR STUDY
[NASA RELEASE-93-27] P93-10028 06

ASTRO-D MISSION TO LAUNCH TONIGHT IN
JAPAN
[NASA RELEASE-93-28] P93-10029 06

SCIENTISTS FORESEE STRENGTHENING EL NINO
EVENT
[NASA RELEASE-93-39] P93-10040 06

NASA SELECTS CENTER FOR LIFE SCIENCES
RESEARCH
[NASA RELEASE-93-40] P93-10041 06

EXPLORATION EFFORT SHIFTED TO OFFICE OF
SPACE SCIENCE
[NASA RELEASE-93-54] P93-10055 06

NASA SATELLITE DATA SHAKE THEORIES ON
GAMMA-RAY BURSTS
[NASA RELEASE-93-72] P93-10073 06

MAGELLAN TO TEST AEROBRKING MANEUVER IN
VENUS ATMOSPHERE
[NASA RELEASE-93-89] P93-10090 06

NEW DISCOVERIES BY NASA'S EUV EXPLORER
PRESENTED
[NASA RELEASE-93-105] P93-10106 06

NASA USES NEW METHOD TO DETECT NEW STARS
AND PLANETS
[NASA RELEASE-93-106] P93-10107 06

EVIDENCE FOR SOLID WATER FOUND ON
JUPITER'S MOON IO
[NASA RELEASE-93-107] P93-10108 06

NASA SELECTS UPPER ATMOSPHERE
INVESTIGATORS
[NASA RELEASE-93-123] P93-10124 06

OFFICE OF SPACE SCIENCE, NASA

ORGANIZATIONAL CHANGES TO ENHANCE PROGRAMS, RELATIONS
[NASA RELEASE-93-44] P93-10045 06

THREE SPACECRAFT TO CONDUCT 3-WEEK GRAVITATIONAL WAVE SEARCH
[NASA RELEASE-93-48] P93-10049 06

EVIDENCE POINTS TO OCEANS, LIGHTNING ON EARLY VENUS
[NASA RELEASE-93-51] P93-10052 06

DIAZ NAMED TO SPACE SCIENCE POST
[NASA RELEASE-93-53] P93-10054 06

COMPTON OBSERVATORY DISCOVERS INTENSE, NEW X-RAY PULSAR
[NASA RELEASE-93-141] P93-10142 06

NASA NAMES IMAGING PRINCIPAL INVESTIGATOR FOR MESUR PATHFINDER
[NASA RELEASE-93-146] P93-10147 06

NASA RESEARCHERS RECORD UNUSUAL FLASHES IN UPPER ATMOSPHERE
[NASA RELEASE-93-167] P93-10168 06

NASA SELECTS SECOND SET OF SMALL EXPLORER MISSIONS
[NASA RELEASE-93-168] P93-10169 06

TWENTY NATIONAL STUDENT WINNERS HONORED IN WASHINGTON
[NASA RELEASE-93-175] P93-10176 06

ANTARCTIC TO BECOME LABORATORY FOR FUTURE MARS MISSIONS
[NASA RELEASE-93-178] P93-10179 06

NASA BOARD TO INVESTIGATE STS-51 HARDWARE PROBLEM
[NASA RELEASE-93-184] P93-10185 06

GALILEO DETECTS MAGNETIC FIELD AROUND ASTEROID IDA
[NASA RELEASE-93-193] P93-10194 06

ULYSSES REACHES UNEXPLORED REGIONS OF SUN
[NASA RELEASE-93-217] P93-10218 06

NASA SUCCEEDS WITH GAMMA-RAY OBSERVATORY REBOOST
[NASA RELEASE-93-224] P93-10225 06

OFFICE OF SPACE STATION
GOLDIN ANNOUNCES KEY SPACE STATION POSTS, SPENDING MEASURES
[NASA RELEASE-93-38] P93-10039 06

SPACE STATION ORGANIZATION CHANGES ANNOUNCED
[NASA RELEASE-93-136] P93-10137 06

OFFICE OF SPACE SYSTEMS DEVELOPMENT, NASA
SPACE STATION ORGANIZATION CHANGES ANNOUNCED
[NASA RELEASE-93-136] P93-10137 06

OFFICE OF TECHNOLOGY UTILIZATION, NASA
NASA-INDUSTRY EFFORT BOOSTS AUTOMATED PARTS ID SYSTEM
[NASA RELEASE-93-218] P93-10219 06

OFFICE OF THE ADMINISTRATOR, NASA
CORDOVA NAMED NASA CHIEF SCIENTIST
[NASA RELEASE-93-162] P93-10163 06

OHIO AEROSPACE INSTITUTE
NASA/OHIO AEROSPACE INSTITUTE TO HOST CYBERSPACE CONFERENCE
[NASA RELEASE-93-50] P93-10051 06

OHIO SCIENCE, TECH./INDUSTRY HALL OF FAME
NASA RESEARCHER TAPPED FOR OHIO SCIENCE HALL OF FAME
[NASA RELEASE-93-23] P93-10024 06

OOTY RADIO OBSERVATORY, INDIA
NASA USES NEW METHOD TO DETECT NEW STARS AND PLANETS
[NASA RELEASE-93-106] P93-10107 06

OPHTHALMOLOGY
CATARACT SUFFERERS COULD BENEFIT FROM SPACE TECHNOLOGY
[NASA RELEASE-93-45] P93-10046 06

OPTICAL AIR DATA SYSTEMS
S AIR DATA SYSTEMS

OPTICAL RADAR
NEW WINDSHEAR SENSORS A GOVERNMENT-INDUSTRY 'SUCCESS STORY'
[NASA RELEASE-93-170] P93-10171 06

NASA, FAA CONSIDER REVISED WINDSHEAR PILOTING PROCEDURES
[NASA RELEASE-93-171] P93-10172 06

OPTICAL SYSTEMS
S OPTICAL RADAR

OPTICAL TRACKING
S OPTICAL RADAR

ORBIT ATTITUDE AND MANEUVER SYSTEMS
COMPTON GAMMA-RAY OBSERVATORY TO GET ORBIT BOOST
[NASA RELEASE-93-179] P93-10180 06

ORBITAL ASSEMBLY
SPACE STATION PRECURSOR WORK CONTINUES ON SHUTTLE IN 1993
[NASA RELEASE-93-10] P93-10011 06

SPACEWALK ADDED TO JULY SPACE SHUTTLE FLIGHT
[NASA RELEASE-93-21] P93-10022 06

SPACEWALK ADDED TO APRIL SPACE SHUTTLE FLIGHT
[NASA RELEASE-93-31] P93-10032 06

STATION REDESIGN TEAM TO SUBMIT FINAL REPORT
[NASA RELEASE-93-104] P93-10105 06

NASA SELECTS FLIGHT TECHNOLOGY PROPOSALS
[NASA RELEASE-93-186] P93-10187 06

ORBITAL MANEUVERS
NASA SUCCEEDS WITH GAMMA-RAY OBSERVATORY REBOOST
[NASA RELEASE-93-224] P93-10225 06

ORBITAL POSITION
COMPTON GAMMA-RAY OBSERVATORY TO GET ORBIT BOOST
[NASA RELEASE-93-179] P93-10180 06

ORBITAL SCIENCES CORP.
NASA SELECTS SECOND SET OF SMALL EXPLORER MISSIONS
[NASA RELEASE-93-168] P93-10169 06

ORBITAL SERVICING
SPACEWALK ADDED TO JULY SPACE SHUTTLE FLIGHT
[NASA RELEASE-93-21] P93-10022 06

SPACEWALK ADDED TO APRIL SPACE SHUTTLE FLIGHT
[NASA RELEASE-93-31] P93-10032 06

HUBBLE TELESCOPE SERVICING MISSION SCHEDULED FOR ELEVEN DAYS
[NASA RELEASE-93-76] P93-10077 06

HUBBLE SERVICING MISSION STUDY COMPLETED
[NASA RELEASE-93-96] P93-10097 06

NASA TO COMMERCIALIZE REMOTE-CONTROL TECHNOLOGY
[NASA RELEASE-93-100] P93-10101 06

HUBBLE INSTRUMENT MAY RECEIVE FURTHER TESTING
[NASA RELEASE-93-169] P93-10170 06

FIVE SPACEWALKS TO SERVICE HUBBLE SPACE TELESCOPE HIGHLIGHTS SHUTTLE MISSION STS-61
[NASA RELEASE-93-204] P93-10205 06

HST SERVICING MISSION HIGHLIGHTS 1993 NASA ACCOMPLISHMENTS
[NASA RELEASE-93-226] P93-10227 06

MUTUAL BROADCASTING SYSTEM'S 'THE LARRY KING SHOW': INTERVIEW WITH DAN GOLDIN
P93-10249 05

ORBITER 102
S COLUMBIA

ORBITER 103
S DISCOVERY

ORBITER 104
S ATLANTIS

OREGON HEALTH SCIENCES UNIV., PORTLAND
NASA AND NIDCD SELECT VESTIBULAR RESEARCH CENTER
[NASA RELEASE-93-111] P93-10112 06

ORGANIZATION CHANGE
ORGANIZATIONAL CHANGES TO ENHANCE PROGRAMS, RELATIONS
[NASA RELEASE-93-44] P93-10045 06

EXPLORATION EFFORT SHIFTED TO OFFICE OF SPACE SCIENCE
[NASA RELEASE-93-54] P93-10055 06

SPACE STATION ORGANIZATION CHANGES ANNOUNCED
[NASA RELEASE-93-136] P93-10137 06

GOLDIN ANNOUNCES KEY SPACE STATION MANAGEMENT MOVES
[NASA RELEASE-93-191] P93-10192 06

OSHKOSH, WIS.
NASA OSHKOSH EXHIBIT HIGHLIGHTS U.S. 'LEADERSHIP IN AERONAUTICS'
[NASA RELEASE-93-128] P93-10129 06

OTOLITH ORGANS
NASA AND NIDCD SELECT VESTIBULAR RESEARCH CENTER
[NASA RELEASE-93-111] P93-10112 06

OUT-OF-THE-ECLIPTIC MISSION
S ULYSSES MISSION

OXIDES
S CARBON MONOXIDE
S NITROGEN OXIDES

OZONE
UNIVERSITIES FLY OZONE RESEARCH BALLOON FROM TEXAS TO FLA.
[NASA RELEASE-93-8] P93-10009 06

1992 ANTARCTIC OZONE DEPLETION AS SEVERE AS ANY PREVIOUS YEAR
[NASA RELEASE-93-13] P93-10014 06

AAAS TO HONOR NASA SCIENTIST FOR OZONE RESEARCH
[NASA RELEASE-93-26] P93-10027 06

STS-56 MISSION CONTINUES NASA'S MISSION TO PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06

OZONE DESTROYING CHLORINE EXISTED LONGER IN 1992-93 WINTER
[NASA RELEASE-93-68] P93-10069 06

1992-93 GLOBAL OZONE LEVELS LOWER THAN ANY PREVIOUS YEAR
[NASA RELEASE-93-74] P93-10075 06

SHUTTLE OZONE DATA RETRIEVED FROM ATMOS RECORDER
[NASA RELEASE-93-118] P93-10119 06

NASA RESEARCHERS RECORD UNUSUAL FLASHES IN UPPER ATMOSPHERE
[NASA RELEASE-93-167] P93-10168 06

1993 ANTARCTIC OZONE HOLE REACHES RECORD LOWS
[NASA RELEASE-93-190] P93-10191 06

NASA STARTS PHASE II OF SUPERSONIC AIRLINER EFFORT
[NASA RELEASE-93-202] P93-10203 06

OZONE DEPLETION
1992 ANTARCTIC OZONE DEPLETION AS SEVERE AS ANY PREVIOUS YEAR
[NASA RELEASE-93-13] P93-10014 06

AAAS TO HONOR NASA SCIENTIST FOR OZONE RESEARCH
[NASA RELEASE-93-26] P93-10027 06

OZONE DESTROYING CHLORINE EXISTED LONGER IN 1992-93 WINTER
[NASA RELEASE-93-68] P93-10069 06

1992-93 GLOBAL OZONE LEVELS LOWER THAN ANY PREVIOUS YEAR
[NASA RELEASE-93-74] P93-10075 06

SHUTTLE OZONE DATA RETRIEVED FROM ATMOS RECORDER
[NASA RELEASE-93-118] P93-10119 06

NASA RESEARCHERS RECORD UNUSUAL FLASHES IN UPPER ATMOSPHERE
[NASA RELEASE-93-167] P93-10168 06

1993 ANTARCTIC OZONE HOLE REACHES RECORD LOWS
[NASA RELEASE-93-190] P93-10191 06

PACIFIC OCEAN
SCIENTISTS FORESEE STRENGTHENING EL NINO EVENT
[NASA RELEASE-93-39] P93-10040 06

- TOPEX POSEIDON MAPS PRECISE GLOBAL SEA LEVEL
[NASA RELEASE-93-122] P93-10123 06
- TOPEX/POSEIDON DATA CONFIRMS EL NINO PREDICTIONS
[NASA RELEASE-93-205] P93-10206 06
- PALO ALTO, CALIF.**
- NASA SELECTS UPPER ATMOSPHERE INVESTIGATORS
[NASA RELEASE-93-123] P93-10124 06
- PALOMAR OBSERVATORY, PASADENA, CALIF.**
- COMPUTER PROGRAM WILL CATALOG ASTRONOMICAL SKY SURVEY
[NASA RELEASE-93-67] P93-10068 06
- PAN AMERICAN WORLD AIRWAYS, INC.**
- COCKPIT WEATHER SYSTEM MAY SAVE AIRLINES \$6 MILLION PER YEAR
[NASA RELEASE-93-194] P93-10195 06
- PANAM WEATHER SERVICES, MINNEAPOLIS, MN**
- COCKPIT WEATHER SYSTEM MAY SAVE AIRLINES \$6 MILLION PER YEAR
[NASA RELEASE-93-194] P93-10195 06
- PANAMA**
- NASA AND CENTRAL AMERICA WILL EXPAND RAIN FOREST STUDIES
[NASA RELEASE-93-47] P93-10048 06
- PARALLEL PROCESSING /COMPUTERS/**
- FASTEST SUPERCOMPUTER CAN BOOST U.S. AEROSPACE INDUSTRY
[NASA RELEASE-93-80] P93-10081 06
- INDUSTRY TESTS NASA COMPUTER PROGRAMS FOR EFFICIENT DESIGNING
[NASA RELEASE-93-90] P93-10091 06
- PARIS AIR SHOW, FRANCE**
- NASA TO FEATURE VIDEOWALL AT PARIS AIR SHOW
[NASA RELEASE-93-92] P93-10093 06
- PATENTS**
- SA INVENTIONS
LEWIS, CASE, BATTELLE TO COMMERCIALIZE NASA INVENTIONS
[NASA RELEASE-93-91] P93-10092 06
- PATHFINDER PROJECT**
- NASA NAMES IMAGING PRINCIPAL INVESTIGATOR FOR MESUR PATHFINDER
[NASA RELEASE-93-146] P93-10147 06
- PAYLOADS**
- S COMMERCIAL PAYLOADS
S CONSORT 6 PAYLOAD
S SPACE SHUTTLE PAYLOADS
- PEGASUS AIR-LAUNCHED BOOSTER**
- NASA SELECTS SECOND SET OF SMALL EXPLORER MISSIONS
[NASA RELEASE-93-168] P93-10169 06
- PENNSYLVANIA STATE UNIV.**
- CORDOVA NAMED NASA CHIEF SCIENTIST
[NASA RELEASE-93-162] P93-10163 06
- NASA MODIFIES FUNDING SUPPORT FOR CENTERS FOR COMMERCIAL DEVELOPMENT
[NASA RELEASE-93-225] P93-10226 06
- PENNSYLVANIA STATE UNIV., STATE COLLEGE**
- CONSORT 6 LAUNCH DATE SET
[NASA RELEASE-93-22] P93-10023 06
- PERFORMANCE**
- S AIRCRAFT PERFORMANCE
- PERSEUS RESEARCH AIRCRAFT**
- PERSEUS RESEARCH AIRCRAFT MAKES FIRST TEST FLIGHT
[NASA RELEASE-93-227] P93-10228 06
- PERSONNEL**
- S ASTRONAUTS
S ENGINEERS
S PILOTS
S SCIENTISTS
S SPACECREWS
- PERSONNEL APPOINTMENTS**
- LEE NAMED NASA PROCUREMENT CHIEF
[NASA RELEASE-93-11] P93-10012 06
- VINCENT NAMED ACTING PUBLIC AFFAIRS HEAD
[NASA RELEASE-93-15] P93-10016 06
- GOLDIN ANNOUNCES KEY SPACE STATION POSTS, SPENDING MEASURES
[NASA RELEASE-93-38] P93-10039 06
- STS-62 AND STS-59 SPACE SHUTTLE CREW ASSIGNMENTS ANNOUNCED
[NASA RELEASE-93-42] P93-10043 06
- ORGANIZATIONAL CHANGES TO ENHANCE PROGRAMS, RELATIONS
[NASA RELEASE-93-44] P93-10045 06
- PEARSON ANNOUNCES SHUTTLE PROGRAM ADJUSTMENTS
[NASA RELEASE-93-49] P93-10050 06
- DIAZ NAMED TO SPACE SCIENCE POST
[NASA RELEASE-93-53] P93-10054 06
- JEFF LAWRENCE APPOINTED TO HEAD LEGISLATIVE AFFAIRS FOR NASA
[NASA RELEASE-93-70] P93-10071 06
- MALCOLM PETERSON APPOINTED NASA ACTING COMPTROLLER
[NASA RELEASE-93-112] P93-10113 06
- TWO ASTRONAUTS APPOINTED TO HEADQUARTERS POSITIONS
[NASA RELEASE-93-120] P93-10121 06
- JSC DIRECTOR COHEN ANNOUNCES RETIREMENT
[NASA RELEASE-93-131] P93-10132 06
- FINARELLI APPOINTED HEAD OF STRATEGIC PLANNING
[NASA RELEASE-93-132] P93-10133 06
- SPACE STATION ORGANIZATION CHANGES ANNOUNCED
[NASA RELEASE-93-136] P93-10137 06
- PAYLOAD COMMANDERS NAMED FOR FUTURE SHUTTLE MISSIONS
[NASA RELEASE-93-140] P93-10141 06
- NASA NAMES IMAGING PRINCIPAL INVESTIGATOR FOR MESUR PATHFINDER
[NASA RELEASE-93-146] P93-10147 06
- NASA NAMES HEAD OF MARS OBSERVER INVESTIGATION BOARD
[NASA RELEASE-93-153] P93-10154 06
- NASA/NOAA PANEL TO INVESTIGATE NOAA-13 FAILURE
[NASA RELEASE-93-154] P93-10155 06
- NASA NAMES TEAM TO STUDY RETURN TRIP TO MARS
[NASA RELEASE-93-157] P93-10158 06
- MARS OBSERVER INVESTIGATION BOARD MEMBERS NAMED
[NASA RELEASE-93-159] P93-10160 06
- CORDOVA NAMED NASA CHIEF SCIENTIST
[NASA RELEASE-93-162] P93-10163 06
- DIRECTOR OF AMES TECHNOLOGY COMMERCIALIZATION CENTER NAMED
[NASA RELEASE-93-185] P93-10186 06
- PERSONNEL RESIGNATIONS**
- VINCENT NAMED ACTING PUBLIC AFFAIRS HEAD
[NASA RELEASE-93-15] P93-10016 06
- ASTRONAUT JEMISON TO LEAVE NASA
[NASA RELEASE-93-43] P93-10044 06
- PRESS CONFERENCE; JOHNSON SPACE CENTER, HOUSTON, TEXAS P93-10239 05
- PERSONNEL SELECTION**
- NASA TO DEVELOP TECHNOLOGY FOR FUTURE HIGH-SPEED TRANSPORTS
[NASA RELEASE-93-52] P93-10053 06
- SPACE STATION REDESIGN ADVISORY MEMBERS NAMED
[NASA RELEASE-93-59] P93-10060 06
- PRIME AND BACKUP COSMONAUTS NAMED FOR SHUTTLE STS-60 MISSION
[NASA RELEASE-93-61] P93-10062 06
- CLEMENTINE MISSION SCIENCE TEAM SELECTED
[NASA RELEASE-93-66] P93-10067 06
- BIENNIAL ASTRONAUT RECRUITING BEGINS
[NASA RELEASE-93-101] P93-10102 06
- NASA SELECTS UPPER ATMOSPHERE INVESTIGATORS
[NASA RELEASE-93-123] P93-10124 06
- CREW MEMBERS SELECTED FOR STS-63 SHUTTLE SPACEHAB-3 FLIGHT
[NASA RELEASE-93-161] P93-10162 06
- PHARMACEUTICALS**
- S DRUGS
- PHOTOGRAPHY**
- SA COLOR PHOTOGRAPHY
SA INFRARED PHOTOGRAPHY
SA MARS PHOTOGRAPHS
SA SATELLITE IMAGERY
SA STEREOPHOTOGRAPHY
- NASA RESEARCHERS RECORD UNUSUAL FLASHES IN UPPER ATMOSPHERE
[NASA RELEASE-93-167] P93-10168 06
- PHOTOMAPPING**
- NASA NAMES IMAGING PRINCIPAL INVESTIGATOR FOR MESUR PATHFINDER
[NASA RELEASE-93-146] P93-10147 06
- PHOTOMETERS**
- S HIGH SPEED PHOTOMETERS
- PHYSICAL EXERCISE**
- METABOLIC SPACEWALK STUDIES SUBJECT OF AMES RESEARCH
[NASA RELEASE-93-93] P93-10094 06
- PHYSICAL SCIENCES**
- S ASTRONOMY
S CHEMISTRY
S EARTH SCIENCES
S GEOLOGY
S SPACE SCIENCES
- PHYSICIANS**
- NASA PROGRAM TO HELP VICTIMS OF RUSSIAN EMERGENCY
[NASA RELEASE-93-183] P93-10184 06
- PHYSICS**
- S ASTROPHYSICS
S ATMOSPHERIC PHYSICS
S GEOPHYSICS
S RELATIVITY THEORY
S SOLAR PHYSICS
S SPACE PHYSICS
- PHYSIOLOGICAL EFFECTS**
- NASA STUDY MAY HELP REDUCE LIGHTEADEDNESS AFTER SPACE FLIGHT
[NASA RELEASE-93-30] P93-10031 06
- METABOLIC SPACEWALK STUDIES SUBJECT OF AMES RESEARCH
[NASA RELEASE-93-93] P93-10094 06
- STS-58 SECOND SPACELAB MISSION DEDICATED TO LIFE SCIENCES P93-10136 06
- SHUTTLE RAT EXPERIMENT YIELDS UNEXPECTED RESULTS
[NASA RELEASE-93-181] P93-10182 06
- PHYSIOLOGY**
- SA GRAVITATIONAL PHYSIOLOGY
- NASA SELECTS CENTER FOR LIFE SCIENCES RESEARCH
[NASA RELEASE-93-40] P93-10041 06
- PILOT TRAINING**
- NASA, FAA CONSIDER REVISED WINDSHEAR PILOTING PROCEDURES
[NASA RELEASE-93-171] P93-10172 06
- PILOTS**
- CROSSFIELD AWARDED NASA DISTINGUISHED PUBLIC SERVICE MEDAL
[NASA RELEASE-93-16] P93-10017 06
- PIONEER SATURN**
- S PIONEER 11
- PIONEER SPACE PROBE**
- S PIONEER VENUS PROBE
S PIONEER 10
S PIONEER 11
- PIONEER VENUS PROBE**
- EVIDENCE POINTS TO OCEANS, LIGHTNING ON EARLY VENUS
[NASA RELEASE-93-51] P93-10052 06
- PIONEER VENUS PROJECT**
- EVIDENCE POINTS TO OCEANS, LIGHTNING ON EARLY VENUS
[NASA RELEASE-93-51] P93-10052 06
- PIONEER 10**
- PIONEER CELEBRATES 10 YEARS BEYOND THE KNOWN SOLAR PLANETS
[NASA RELEASE-93-110] P93-10111 06

PIONEER 11

PIONEER CELEBRATES 10 YEARS BEYOND THE
KNOWN SOLAR PLANETS
[NASA RELEASE-93-110] P93-10111 06

PLANETARY ATMOSPHERES

S MARS ATMOSPHERE
S PLUTO ATMOSPHERE
S VENUS ATMOSPHERE

PLANETARY COMPOSITION

EVIDENCE POINTS TO OCEANS, LIGHTNING ON
EARLY VENUS
[NASA RELEASE-93-51] P93-10052 06

NITROGEN ICE DISCOVERED ON PLUTO
[NASA RELEASE-93-142] P93-10143 06

PLANETARY EVOLUTION

EARTH'S ROTATION RATE MAY BE DUE TO EARLY
COLLISIONS
[NASA RELEASE-93-12] P93-10013 06

EVIDENCE POINTS TO OCEANS, LIGHTNING ON
EARLY VENUS
[NASA RELEASE-93-51] P93-10052 06

PLANETARY EXPLORATION

SA MARS EXPLORATION
SA VOYAGER PROJECT

NASA SELECTS 11 DISCOVERY MISSION CONCEPTS
FOR STUDY
[NASA RELEASE-93-27] P93-10028 06

PLANETARY MAPPING

MAGELLAN AEROBRAKING, GRAVITY STUDIES
UNDERWAY
[NASA RELEASE-93-98] P93-10099 06

NASA NAMES IMAGING PRINCIPAL INVESTIGATOR
FOR MESUR PATHFINDER
[NASA RELEASE-93-146] P93-10147 06

PLANETARY ROTATION

S EARTH ROTATION

PLANETARY SURFACES

S MARS SURFACE
S VENUS SURFACE

PLANETS

S JUPITER /PLANET/
S MARS /PLANET/
S PLUTO /PLANET/
S VENUS /PLANET/

PLANT ROOTS

NASA AND CALIFORNIA WINE GROWERS JOINTLY
BATTLE PEST DAMAGE
[NASA RELEASE-93-55] P93-10056 06

PLANTS /BOTANY/

NASA AND CALIFORNIA WINE GROWERS JOINTLY
BATTLE PEST DAMAGE
[NASA RELEASE-93-55] P93-10056 06

PLATFORMS

S SPACE PLATFORMS

PLUTO /PLANET/

NITROGEN ICE DISCOVERED ON PLUTO
[NASA RELEASE-93-142] P93-10143 06

PLUTO ATMOSPHERE

NITROGEN ICE DISCOVERED ON PLUTO
[NASA RELEASE-93-142] P93-10143 06

POEMS /SATELLITE/

S POSITRON ELECTRON MAGNETIC
SPECTROMETER

POLAR REGIONS

OZONE DESTROYING CHLORINE EXISTED LONGER
IN 1992-93 WINTER
[NASA RELEASE-93-68] P93-10069 06

1993 ANTARCTIC OZONE HOLE REACHES RECORD
LOWS
[NASA RELEASE-93-190] P93-10191 06

ULYSSES REACHES UNEXPLORED REGIONS OF
SUN
[NASA RELEASE-93-217] P93-10218 06

POLLUTION

S AIR POLLUTION

POLLUTION CONTROL

NASA TO DEVELOP TECHNOLOGY FOR FUTURE
HIGH-SPEED TRANSPORTS
[NASA RELEASE-93-52] P93-10053 06

POLYCYCLIC AROMATIC HYDROCARBONS

NASA SCIENTISTS SOLVE LONG-STANDING
STELLAR MYSTERY
[NASA RELEASE-93-25] P93-10026 06

PORTABLE EQUIPMENT

CATARACT SUFFERERS COULD BENEFIT FROM
SPACE TECHNOLOGY
[NASA RELEASE-93-45] P93-10046 06

PORTABLE COMPUTER TO HELP ASTRONAUTS
CONDUCT SCIENCE
[NASA RELEASE-93-180] P93-10181 06

POSITRON ELECTRON MAGNETIC SPECTROMETER

NASA SELECTS SECOND SET OF SMALL EXPLORER
MISSIONS
[NASA RELEASE-93-168] P93-10169 06

POWER

S SOLAR POWER
S SPACE POWER
S SPACECRAFT POWER SUPPLIES

PRATT AND WHITNEY CORP., WEST PALM BEACH

NASA TESTING NEW, POWERFUL DUCTED FANS
ENGINE FOR CIVIL JETS
[NASA RELEASE-93-103] P93-10104 06

NASA F-15 BEING READIED FOR ADVANCED
MANEUVERING FLIGHT
[NASA RELEASE-93-115] P93-10116 06

PRESSURE SUIT

S SPACE SUITS

PRIVATE SECTOR COOPERATION

SA INDUSTRIAL COOPERATION
NASA, STATE OF FLORIDA, SIGN TECHNOLOGY
TRANSFER ACCORD
[NASA RELEASE-93-155] P93-10156 06

PROBES

S GALILEO PROJECT

PROCUREMENT

S CONTRACTING AND PROCUREMENT

PROGRAM MANAGEMENT

GOLDIN ANNOUNCES KEY SPACE STATION POSTS,
SPENDING MEASURES
[NASA RELEASE-93-38] P93-10039 06

PEARSON ANNOUNCES SHUTTLE PROGRAM
ADJUSTMENTS
[NASA RELEASE-93-49] P93-10050 06

NASA TO DEVELOP TECHNOLOGY FOR FUTURE
HIGH-SPEED TRANSPORTS
[NASA RELEASE-93-52] P93-10053 06

EXPLORATION EFFORT SHIFTED TO OFFICE OF
SPACE SCIENCE
[NASA RELEASE-93-54] P93-10055 06

NASA AWARDS CONTRACT FOR EOSDIS CORE
SYSTEM
[NASA RELEASE-93-56] P93-10057 06

GOLDIN ANNOUNCES KEY SPACE STATION
MANAGEMENT MOVES
[NASA RELEASE-93-191] P93-10192 06

PROJECT MANAGEMENT

NASA AWARDS CONTRACT FOR EOSDIS CORE
SYSTEM
[NASA RELEASE-93-56] P93-10057 06

PROJECT PLANNING

PEARSON ANNOUNCES SHUTTLE PROGRAM
ADJUSTMENTS
[NASA RELEASE-93-49] P93-10050 06

PROPULSION

SA SPACECRAFT PROPULSION
NASA MODIFIES FUNDING SUPPORT FOR CENTERS
FOR COMMERCIAL DEVELOPMENT
[NASA RELEASE-93-225] P93-10226 06

PROTEIN CRYSTALS

CATARACT SUFFERERS COULD BENEFIT FROM
SPACE TECHNOLOGY
[NASA RELEASE-93-45] P93-10046 06

PROTEIN CRYSTAL GROWTH RESEARCH TAKES
STEP TOWARD NEW DRUGS
[NASA RELEASE-93-166] P93-10167 06

PROTEINS

NASA JOINS FORCES WITH INDUSTRY IN AIDS
RESEARCH
[NASA RELEASE-93-88] P93-10089 06

PUBLIC AFFAIRS

VINCENT NAMED ACTING PUBLIC AFFAIRS HEAD
[NASA RELEASE-93-15] P93-10016 06

PUBLIC HEALTH

NASA JOINS FORCES WITH INDUSTRY IN AIDS
RESEARCH
[NASA RELEASE-93-88] P93-10089 06

PUBLIC RELATIONS

NASA TO FEATURE VIDEOWALL AT PARIS AIR
SHOW
[NASA RELEASE-93-92] P93-10093 06

NASA OSHKOSH EXHIBIT HIGHLIGHTS U.S.
'LEADERSHIP IN AERONAUTICS'
[NASA RELEASE-93-128] P93-10129 06

PUBLICATIONS

S MEASUREMENT TECHNOLOGY
S NEW YORK TIMES
S TESTING METHODS AND TECHNIQUES

PULSARS

COMPTON OBSERVATORY DISCOVERS INTENSE,
NEW X-RAY PULSAR
[NASA RELEASE-93-141] P93-10142 06

Q

QUALITY EDUCATION FOR MINORITIES NETWORK

MINORITY STUDENTS APPRENTICE ON SPACE
RESEARCH
[NASA RELEASE-93-116] P93-10117 06

QUASARS

HUBBLE SUPPORTS BLACK HOLE MODEL FOR
ACTIVE GALAXIES
[NASA RELEASE-93-130] P93-10131 06

SATELLITE DATA GET NEW LEASE ON LIFE FROM
SOFTWARE BOOST
[NASA RELEASE-93-164] P93-10165 06

R

RADAR

SA DOPPLER RADAR SYSTEM
SA MICROWAVE RADAR
SA OPTICAL RADAR
SA TERMINAL RADAR APPROACH CONTROL
/TRACON/

COCKPIT WEATHER SYSTEM MAY SAVE AIRLINES
\$6 MILLION PER YEAR
[NASA RELEASE-93-194] P93-10195 06

RADAR IMAGERY

STS-62 AND STS-59 SPACE SHUTTLE CREW
ASSIGNMENTS ANNOUNCED
[NASA RELEASE-93-42] P93-10043 06

RADAR MAPPING

MAGELLAN AEROBRAKING, GRAVITY STUDIES
UNDERWAY
[NASA RELEASE-93-98] P93-10099 06

COCKPIT WEATHER SYSTEM MAY SAVE AIRLINES
\$6 MILLION PER YEAR
[NASA RELEASE-93-194] P93-10195 06

RADIATION

S EXTREME UV RADIATION
S GALACTIC RADIATION
S GAMMA RAY BURSTS
S INFRARED RADIATION
S SOLAR RADIATION
S SPACE RADIATION
S STELLAR RADIATION
S ULTRAVIOLET RADIATION
S X-RAYS

RADIATION BELTS

SCIENTISTS LOCATE NEW RADIATION BELT
AROUND EARTH
[NASA RELEASE-93-94] P93-10095 06

RADIATION EFFECTS

STS-56 MISSION CONTINUES NASA'S MISSION TO
PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06

EVIDENCE POINTS TO OCEANS, LIGHTNING ON
EARLY VENUS
[NASA RELEASE-93-51] P93-10052 06

CLEMENTINE MISSION SCIENCE TEAM SELECTED
[NASA RELEASE-93-66] P93-10067 06

RADIATION MEASUREMENT

NASA AND GERMAN SPACE AGENCY SIGN SPACE AGREEMENT
[NASA RELEASE-93-129] P93-10130 06

RADIO ASTRONOMY

VOYAGER SPACECRAFT FIND CLUE TO ANOTHER SOLAR SYSTEM MYSTERY
[NASA RELEASE-93-99] P93-10100 06

NASA USES NEW METHOD TO DETECT NEW STARS AND PLANETS
[NASA RELEASE-93-106] P93-10107 06

RADIO EMISSION

VOYAGER SPACECRAFT FIND CLUE TO ANOTHER SOLAR SYSTEM MYSTERY
[NASA RELEASE-93-99] P93-10100 06

RADIO WAVES

NASA USES NEW METHOD TO DETECT NEW STARS AND PLANETS
[NASA RELEASE-93-106] P93-10107 06

RADIOACTIVE DECAY

GAMMA-RAY OBSERVATORY PRODUCES THREE MAJOR DISCOVERIES
[NASA RELEASE-93-182] P93-10183 06

RADIOMETERS

S ADVANCED VERY HIGH RESOLUTION RADIOMETER
S DIFFERENTIAL MICROWAVE RADIOMETER
S MICROWAVE LIMB SOUNDER
S SOLAR BACKSCATTER UV SPECTRAL RADIOMETER

RAIL TRANSPORTATION

TECHNOLOGY 2003 TO HIGHLIGHT NEW TECHNOLOGICAL DISCOVERIES
[NASA RELEASE-93-212] P93-10213 06

RAIN FORESTS

NASA AND CENTRAL AMERICA WILL EXPAND RAIN FOREST STUDIES
[NASA RELEASE-93-47] P93-10048 06

RAND CORP., SANTA MONICA, CALIF.

CLEMENTINE MISSION SCIENCE TEAM SELECTED
[NASA RELEASE-93-66] P93-10067 06

RATS

SHUTTLE MISSION TO CONDUCT SCIENTIFIC FIRST
[NASA RELEASE-93-173] P93-10174 06

SHUTTLE RAT EXPERIMENT YIELDS UNEXPECTED RESULTS
[NASA RELEASE-93-181] P93-10182 06

RECOVERY OPERATIONS

S SPACECRAFT RECOVERY

RED GIANT STARS

SCIENTISTS REVEAL NATURE OF EXPLODING, RED SUPERGIANT STAR
[NASA RELEASE-93-63] P93-10064 06

HUBBLE FINDS EVIDENCE OF STELLAR CLOSE ENCOUNTERS
[NASA RELEASE-93-109] P93-10110 06

REDESIGNED SOLID ROCKET MOTOR /SHUTTLE/

YELLOW CREEK FACILITIES TARGETED FOR SHUTTLE NOZZLE WORK
[NASA RELEASE-93-215] P93-10216 06

REDUCED GRAVITY

S MICROGRAVITY

REFRACTORY MATERIALS

NASA AWARDS HIGH-SPEED AIR TRANSPORT MATERIALS STUDY CONTRACTS
[NASA RELEASE-93-124] P93-10125 06

REGIONAL TECHNOLOGY TRANSFER CENTERS

SA CENTER FOR TECHNOLOGY COMMERCIALIZATION

NEW TECHNOLOGY REINVESTMENT PROJECT SEMINAR SET FOR APRIL 1
[NASA RELEASE-93-57] P93-10058 06

REHABILITATION INSTITUTE OF CHICAGO

NASA AND NICHD SELECT VESTIBULAR RESEARCH CENTER
[NASA RELEASE-93-111] P93-10112 06

RELATIVITY THEORY

THREE SPACECRAFT TO CONDUCT 3-WEEK GRAVITATIONAL WAVE SEARCH
[NASA RELEASE-93-48] P93-10049 06

REMOTE CONTROL

NASA TO COMMERCIALIZE REMOTE-CONTROL TECHNOLOGY
[NASA RELEASE-93-100] P93-10101 06

ANTARCTIC TO BECOME LABORATORY FOR FUTURE MARS MISSIONS
[NASA RELEASE-93-178] P93-10179 06

DANTE ROBOT TO EXPLORE ACTIVE ALASKA VOLCANO IN SPRING
[NASA RELEASE-93-195] P93-10196 06

REMOTE HANDLING

NASA TO COMMERCIALIZE REMOTE-CONTROL TECHNOLOGY
[NASA RELEASE-93-100] P93-10101 06

REMOTE MANIPULATOR SYSTEM

HUBBLE TELESCOPE SERVICING MISSION SCHEDULED FOR ELEVEN DAYS
[NASA RELEASE-93-76] P93-10077 06

REMOTE SENSING

1992 ANTARCTIC OZONE DEPLETION AS SEVERE AS ANY PREVIOUS YEAR
[NASA RELEASE-93-13] P93-10014 06

STS-62 AND STS-59 SPACE SHUTTLE CREW ASSIGNMENTS ANNOUNCED
[NASA RELEASE-93-42] P93-10043 06

NASA AND CENTRAL AMERICA WILL EXPAND RAIN FOREST STUDIES
[NASA RELEASE-93-47] P93-10048 06

NASA/OHIO AEROSPACE INSTITUTE TO HOST CYBERSPACE CONFERENCE
[NASA RELEASE-93-50] P93-10051 06

NASA AND CALIFORNIA WINE GROWERS JOINTLY BATTLE PEST DAMAGE
[NASA RELEASE-93-55] P93-10056 06

1992-93 GLOBAL OZONE LEVELS LOWER THAN ANY PREVIOUS YEAR
[NASA RELEASE-93-74] P93-10075 06

NASA STUDY REFINES ESTIMATES OF AMAZON DEFORESTATION
[NASA RELEASE-93-119] P93-10120 06

TOPEX POSEIDON MAPS PRECISE GLOBAL SEA LEVEL
[NASA RELEASE-93-122] P93-10123 06

NASA SELECTS UPPER ATMOSPHERE INVESTIGATORS
[NASA RELEASE-93-123] P93-10124 06

NASA PROVIDING MIDWEST FLOODING INFORMATION
[NASA RELEASE-93-134] P93-10135 06

NASA-RUSSIAN MISSION EXPLORES KAMCHATKAN VOLCANOES
[NASA RELEASE-93-198] P93-10199 06

TOPEX/POSEIDON DATA CONFIRMS EL NINO PREDICTIONS
[NASA RELEASE-93-205] P93-10206 06

NASA HELPS PROVIDE FAMINE EARLY WARNING FOR AFRICA
[NASA RELEASE-93-213] P93-10214 06

NASA SCIENTISTS CREATE EARTH BREATHING IMAGE
[NASA RELEASE-93-223] P93-10224 06

NASA MODIFIES FUNDING SUPPORT FOR CENTERS FOR COMMERCIAL DEVELOPMENT
[NASA RELEASE-93-225] P93-10226 06

REMARKS BY DANIEL S. GOLDIN P93-10246 05

REMOTELY OPERATED VEHICLES

ANTARCTIC TO BECOME LABORATORY FOR FUTURE MARS MISSIONS
[NASA RELEASE-93-178] P93-10179 06

REMOTELY PILOTED RESEARCH VEHICLE

PERSEUS RESEARCH AIRCRAFT MAKES FIRST TEST FLIGHT
[NASA RELEASE-93-227] P93-10228 06

RENDEZVOUS

NASA AND RUSSIAN SPACE AGENCY SIGN AGREEMENT FOR ADDITIONAL SPACE SHUTTLE/MIR MISSIONS
[NASA RELEASE-93-222] P93-10223 06

RESEARCH AIRCRAFT

SA PERSEUS RESEARCH AIRCRAFT

NASA SAVES \$1 MILLION ON AERONAUTICS RESEARCH PROJECT
[NASA RELEASE-93-35] P93-10036 06

NASA F-15 MAKES FIRST ENGINE-CONTROLLED TOUCHDOWN
[NASA RELEASE-93-75] P93-10076 06

NASA SYSTEM RESEARCH AIRCRAFT MAKES FIRST TEST FLIGHT
[NASA RELEASE-93-95] P93-10096 06

NASA F-15 BEING READIED FOR ADVANCED MANEUVERING FLIGHT
[NASA RELEASE-93-115] P93-10116 06

FLIGHT TESTS PROVE SIMPLER SATELLITE-GUIDED AUTOLAND METHOD
[NASA RELEASE-93-165] P93-10166 06

RESEARCH AND DEVELOPMENT

SA AERONAUTICAL RESEARCH
SA MATERIALS RESEARCH

NASA AND NATIONAL INDUSTRY RESEARCH GROUP SIGN AGREEMENT
[NASA RELEASE-93-82] P93-10083 06

TRANSCRIPT: REMARKS BY DANIEL S. GOLDIN ON NASA TELEVISION P93-10230 05

REMARKS BY NASA ADMINISTRATOR DAN GOLDIN BEFORE THE JPL HIGH-TECH SMALL BUSINESS DEVELOPMENT PROCUREMENT CONFERENCE, LOS ANGELES, CALIFORNIA P93-10231 05

REMARKS BY NASA ADMINISTRATOR DANIEL S. GOLDIN TO THE AMERICAN ASTRONAUTICAL SOCIETY - GODDARD MEMORIAL SYMPOSIUM: REDESIGN OF THE SPACE STATION, HYATT REGENCY HOTEL, CRYSTAL CITY, ARLINGTON, VIRGINIA P93-10232 05

NASA PRESS CONFERENCE: SPACE STATION REDESIGN; NASA HEADQUARTERS BUILDING, WASHINGTON, DC P93-10233 05

NASA BUDGET BRIEFING; NASA HEADQUARTERS, WASHINGTON, DC P93-10234 05

AIAA LUNCHEON; CRYSTAL CITY HYATT REGENCY HOTEL, CRYSTAL CITY, VIRGINIA P93-10235 05

REMARKS PREPARED FOR DELIVERY: BRUNEL'S PRODUCTION LINE - INSPIRATION, INNOVATION AND THE MARCH OF TECHNOLOGY; NATIONAL CENTER FOR MANUFACTURING SCIENCES 1993 ANNUAL MEETING, WASHINGTON, DC P93-10236 05

THE REDESIGN OF THE SPACE STATION: GRAPPLING WITH THE CHALLENGE TO CHANGE P93-10237 05

REMARKS PREPARED FOR DELIVERY: TO BOLDLY GO - GIVING THOUGHT TO WHAT COMES NEXT IN SPACE; NATIONAL SPACE CLUB SPACE OUTLOOK CONFERENCE, FAIRFAX, VIRGINIA P93-10238 05

ADDRESS TO THE AIAA P93-10240 05

INTERVIEW WITH MATT BATES, INTERNATIONAL AEROSPACE MACHINISTS UNION; ACR HEADQUARTERS, WASHINGTON, DC P93-10245 05

REMARKS GIVEN TO JOHN LOGSTONE SPACE POLICY CLASS, GEORGE WASHINGTON UNIVERSITY P93-10248 05

RESEARCH PROJECTS

SA ADVANCED RESEARCH PROJECTS AGENCY
SA TERMINAL AREA PRODUCTIVITY PROGRAM

NASA SELECTS SMALL BUSINESS INNOVATION RESEARCH PROJECTS
[NASA RELEASE-93-33] P93-10034 06

NASA AND NATIONAL INDUSTRY RESEARCH GROUP SIGN AGREEMENT
[NASA RELEASE-93-82] P93-10083 06

RESEARCH PROPOSALS

NASA SELECTS PHASE II SMALL BUSINESS INNOVATION RESEARCH PROJECTS
[NASA RELEASE-93-3] P93-10003 06

NASA SELECTS SMALL BUSINESS INNOVATION RESEARCH PROJECTS
[NASA RELEASE-93-33] P93-10034 06

RESPIRATION

NASA SPACE SUIT AND MEDICAL TECHNOLOGIES HONORED
[NASA RELEASE-93-69] P93-10070 06

RETIREMENT

RETIREMENT

CROSSFIELD AWARDED NASA DISTINGUISHED
PUBLIC SERVICE MEDAL
[NASA RELEASE-93-16] P93-10017 06

MALCOLM PETERSON APPOINTED NASA ACTING
COMPTROLLER
[NASA RELEASE-93-112] P93-10113 06

ASTRONAUT BLUFORD LEAVES NASA
[NASA RELEASE-93-113] P93-10114 06

ASTRONAUT MARK BROWN TO JOIN GENERAL
RESEARCH CORP.
[NASA RELEASE-93-114] P93-10115 06

JSC DIRECTOR COHEN ANNOUNCES RETIREMENT
[NASA RELEASE-93-131] P93-10132 06

NASA SPACE STATION DIRECTOR RICHARD KOHRS
TO RETIRE
[NASA RELEASE-93-160] P93-10161 06

REUSABLE SURFACE INSULATION

SHUTTLE TILE MATERIAL MAY HELP IN BONE
TRANSPLANTS
[NASA RELEASE-93-102] P93-10103 06

RICE UNIV., HOUSTON, TEX.

INDUSTRY TESTS NASA COMPUTER PROGRAMS
FOR EFFICIENT DESIGNING
[NASA RELEASE-93-90] P93-10091 06

RIVERS

S MISSISSIPPI RIVER
S MISSOURI RIVER

RMS

S REMOTE MANIPULATOR SYSTEM

ROBERT MONDAVI WINERY, NAPA VALLEY, CALIF.

NASA AND CALIFORNIA WINE GROWERS JOINTLY
BATTLE PEST DAMAGE
[NASA RELEASE-93-55] P93-10056 06

ROBOTICS

SA TELEROBOTIC SYSTEMS

NASA/OHIO AEROSPACE INSTITUTE TO HOST
CYBERSPACE CONFERENCE
[NASA RELEASE-93-50] P93-10051 06

NASA TO COMMERCIALIZE REMOTE-CONTROL
TECHNOLOGY
[NASA RELEASE-93-100] P93-10101 06

DANTE ROBOT TO EXPLORE ACTIVE ALASKA
VOLCANO IN SPRING
[NASA RELEASE-93-195] P93-10196 06

NASA MODIFIES FUNDING SUPPORT FOR CENTERS
FOR COMMERCIAL DEVELOPMENT
[NASA RELEASE-93-225] P93-10226 06

ROBOTS

NASA/OHIO AEROSPACE INSTITUTE TO HOST
CYBERSPACE CONFERENCE
[NASA RELEASE-93-50] P93-10051 06

NASA AMES TO DRIVE RUSSIAN ROBOT VIA
SATELLITE
[NASA RELEASE-93-84] P93-10085 06

NASA TO COMMERCIALIZE REMOTE-CONTROL
TECHNOLOGY
[NASA RELEASE-93-100] P93-10101 06

ANTARCTIC TO BECOME LABORATORY FOR
FUTURE MARS MISSIONS
[NASA RELEASE-93-178] P93-10179 06

DANTE ROBOT TO EXPLORE ACTIVE ALASKA
VOLCANO IN SPRING
[NASA RELEASE-93-195] P93-10196 06

ROCKET ENGINES

S ADVANCED SOLID ROCKET MOTOR /SHUTTLE/

ROCKETBORNE EXPERIMENTS

CONSORT 6 LAUNCH DATE SET
[NASA RELEASE-93-22] P93-10023 06

ROCKETDYNE

SPACE STATION HOST CENTER AND PRIME
CONTRACTOR ANNOUNCED
[NASA RELEASE-93-148] P93-10149 06

ROCKETS

S PEGASUS AIR-LAUNCHED BOOSTER

ROCKWELL INTERNATIONAL CORP.

SPACE STATION HOST CENTER AND PRIME
CONTRACTOR ANNOUNCED
[NASA RELEASE-93-148] P93-10149 06

NEW WINDSHEAR SENSORS A
GOVERNMENT-INDUSTRY 'SUCCESS STORY'
[NASA RELEASE-93-170] P93-10171 06

NASA-INDUSTRY EFFORT BOOSTS AUTOMATED
PARTS ID SYSTEM
[NASA RELEASE-93-218] P93-10219 06

ROCKWELL-NORTH AMERICAN AIRCRAFT

INDUSTRY TESTS NASA COMPUTER PROGRAMS
FOR EFFICIENT DESIGNING
[NASA RELEASE-93-90] P93-10091 06

ROENTGEN SATELLITE

S ROSAT /GERMAN SATELLITE/

ROSAT /GERMAN SATELLITE/

MYSTERIOUS CONCENTRATION OF DARK MATTER
DISCOVERED
[NASA RELEASE-93-1] P93-10001 06

MYSTERY OF 'FASTEST FLICKERING' GALAXY
SOLVED
[NASA RELEASE-93-192] P93-10193 06

ROTARY WING AIRCRAFT

S HELICOPTERS

ROTATION

S EARTH ROTATION

ROVING VEHICLES

NASA AMES TO DRIVE RUSSIAN ROBOT VIA
SATELLITE
[NASA RELEASE-93-84] P93-10085 06

NASA NAMES IMAGING PRINCIPAL INVESTIGATOR
FOR MESUR PATHFINDER
[NASA RELEASE-93-146] P93-10147 06

ROYAL GREENWICH OBSERVATORY, ENGLAND

HUBBLE SUPPORTS BLACK HOLE MODEL FOR
ACTIVE GALAXIES
[NASA RELEASE-93-130] P93-10131 06

ROYAL OBSERVATORY, EDINBURGH, SCOTLAND

FROZEN MOLECULAR HYDROGEN DISCOVERED IN
STELLAR NURSERY
[NASA RELEASE-93-187] P93-10188 06

RPRV

S REMOTELY PILOTED RESEARCH VEHICLE

RTTC

S REGIONAL TECHNOLOGY TRANSFER CENTERS

RUSSIA

NASA PROGRAM TO HELP VICTIMS OF RUSSIAN
EMERGENCY
[NASA RELEASE-93-183] P93-10184 06

NASA-RUSSIAN MISSION EXPLORES KAMCHATKAN
VOLCANOES
[NASA RELEASE-93-198] P93-10199 06

NASA AND RUSSIA SIGN AERONAUTICS
AGREEMENT IN MOSCOW
[NASA RELEASE-93-221] P93-10222 06

RUSSIAN ACADEMY OF SCIENCES, MOSCOW

NASA AMES TO DRIVE RUSSIAN ROBOT VIA
SATELLITE
[NASA RELEASE-93-84] P93-10085 06

NASA-RUSSIAN MISSION EXPLORES KAMCHATKAN
VOLCANOES
[NASA RELEASE-93-198] P93-10199 06

RUSSIAN SPACE AGENCY

PRIME AND BACKUP COSMONAUTS NAMED FOR
SHUTTLE STS-60 MISSION
[NASA RELEASE-93-61] P93-10062 06

NASA AND THE RUSSIAN SPACE AGENCY SIGN
MARS '94 CONTRACT
[NASA RELEASE-93-62] P93-10063 06

NASA AMES TO DRIVE RUSSIAN ROBOT VIA
SATELLITE
[NASA RELEASE-93-84] P93-10085 06

NASA PROGRAM TO HELP VICTIMS OF RUSSIAN
EMERGENCY
[NASA RELEASE-93-183] P93-10184 06

U.S./RUSSIAN SPACE AGENCIES HOOKING
SCIENCE NETWORKS
[NASA RELEASE-93-196] P93-10197 06

NASA AND RUSSIAN SPACE AGENCY SIGN
AGREEMENT FOR ADDITIONAL SPACE SHUTTLE/MIR
MISSIONS
[NASA RELEASE-93-222] P93-10223 06

REMARKS GIVEN TO JOHN LOGSTONE SPACE
POLICY CLASS; GEORGE WASHINGTON UNIVERSITY
P93-10248 05

MUTUAL BROADCASTING SYSTEM'S 'THE LARRY
KING SHOW': INTERVIEW WITH DAN GOLDIN
P93-10249 05

RUSSIAN SPACE PROGRAMS

NASA AND THE RUSSIAN SPACE AGENCY SIGN
MARS '94 CONTRACT
[NASA RELEASE-93-62] P93-10063 06

GIBBONS OUTLINES SPACE STATION REDESIGN
GUIDANCE
[NASA RELEASE-93-64] P93-10065 06

NEW YORK TIMES INTERVIEW P93-10242 05

INTERVIEW WITH MATT BATES, INTERNATIONAL
AEROSPACE MACHINISTS UNION; ACR
HEADQUARTERS, WASHINGTON, DC
P93-10245 05

RUTHERFORD APPLETON LAB., ENGLAND

OZONE DESTROYING CHLORINE EXISTED LONGER
IN 1992-93 WINTER
[NASA RELEASE-93-68] P93-10069 06

S

SAFETY DEVICES

NASA F-15 MAKES FIRST ENGINE-CONTROLLED
TOUCHDOWN
[NASA RELEASE-93-75] P93-10076 06

SAFETY SYSTEMS

S AIRCRAFT SAFETY

SAMPEX SATELLITE

SCIENTISTS LOCATE NEW RADIATION BELT
AROUND EARTH
[NASA RELEASE-93-94] P93-10095 06

NASA SELECTS SECOND SET OF SMALL EXPLORER
MISSIONS
[NASA RELEASE-93-168] P93-10169 06

SAMPLING

DANTE ROBOT TO EXPLORE ACTIVE ALASKA
VOLCANO IN SPRING
[NASA RELEASE-93-195] P93-10196 06

SAN FRANCISCO UNIV., CALIF.

NITROGEN ICE DISCOVERED ON PLUTO
[NASA RELEASE-93-142] P93-10143 06

SATELLITE ATTITUDE CONTROL

SA ORBIT ATTITUDE AND MANEUVER SYSTEMS
COMPTON GAMMA-RAY OBSERVATORY TO GET
ORBIT BOOST
[NASA RELEASE-93-179] P93-10180 06

SATELLITE COMMUNICATION

NASA AMES TO DRIVE RUSSIAN ROBOT VIA
SATELLITE
[NASA RELEASE-93-84] P93-10085 06

TDRSS C-BAND AGREEMENT RESTRUCTURED
[NASA RELEASE-93-126] P93-10127 06

CONTROLLERS LOSE CONTACT WITH NOAA-13
SATELLITE
[NASA RELEASE-93-151] P93-10152 06

SATELLITE IMAGERY

NASA AND CALIFORNIA WINE GROWERS JOINTLY
BATTLE PEST DAMAGE
[NASA RELEASE-93-55] P93-10056 06

NASA STUDY REFINES ESTIMATES OF AMAZON
DEFORESTATION
[NASA RELEASE-93-119] P93-10120 06

SATELLITE DATA GET NEW LEASE ON LIFE FROM
SOFTWARE BOOST
[NASA RELEASE-93-164] P93-10165 06

NASA SCIENTISTS CREATE EARTH BREATHING
IMAGE
[NASA RELEASE-93-223] P93-10224 06

SATELLITE INSTRUMENTS

S DIFFERENTIAL MICROWAVE RADIOMETER
S FAR INFRARED ABSOLUTE
SPECTROPHOTOMETER

SATELLITE NETWORK

SA SPACEBRIDGE NETWORK

NASA TDRSS NETWORK MARKS 10 YEARS OF
OPERATION
[NASA RELEASE-93-60] P93-10061 06

SATELLITE OBSERVATION

1992 ANTARCTIC OZONE DEPLETION AS SEVERE
AS ANY PREVIOUS YEAR
[NASA RELEASE-93-13] P93-10014 06

SCIENTISTS REVEAL NATURE OF EXPLODING, RED
SUPERGIANT STAR
[NASA RELEASE-93-63] P93-10064 06

NASA SATELLITE DATA SHAKE THEORIES ON
GAMMA-RAY BURSTS
[NASA RELEASE-93-72] P93-10073 06

NASA SELECTS UPPER ATMOSPHERE
INVESTIGATORS
[NASA RELEASE-93-123] P93-10124 06

REMARKS BY DANIEL S. GOLDIN P93-10246 05

SATELLITE REPAIR

S ORBITAL SERVICING

SATELLITES

S ADVANCED COMMUNICATIONS TECHNOLOGY
SAT.

S COSMIC BACKGROUND EXPLORER SATELLITE
S EARTH RADIATION BUDGET SATELLITE
SYSTEM

S EXOSAT /EUROPEAN X-RAY OBS. SATELLITE/
S EXPLORER SCIENTIFIC SATELLITES
S EXTREME ULTRAVIOLET EXPLORER
S FAST AURORAL SNAPSHOT EXPLORER
S GAMMA RAY OBSERVATORY
S GINGA SATELLITE
S IUE /INTERNATIONAL ULTRAVIOLET

EXPLORER/
S JOINT ULTRAVIOLET NIGHT SKY OBSERVER

S LANDSAT 4
S LANDSAT 5

S NAVIGATION SATELLITES
S NIMBUS 7

S NOAA METEOROLOGICAL SATELLITES
S NOAA-11

S NOAA-13
S PIONEER VENUS PROBE

S PIONEER 10
S PIONEER 11

S ROSAT /GERMAN SATELLITE/
S SPACE STATIONS

S SUBMILLIMETER WAVE ASTRONOMY
SATELLITE

S TRANSITIONAL REGION AND CORONAL
EXPLORER

S WIDE-FIELD INFRARED EXPLORER

SCANNER

S INFRARED SCANNER

SCANNING ELECTRONIC ANALYZER

NASA AND CALIFORNIA WINE GROWERS JOINTLY
BATTLE PEST DAMAGE
[NASA RELEASE-93-55] P93-10056 06

SCHOLASTIC COOPERATION

UNIVERSITIES FLY OZONE RESEARCH BALLOON
FROM TEXAS TO FLA.
[NASA RELEASE-93-8] P93-10009 06

LEWIS, CASE, BATTELLE TO COMMERCIALIZE NASA
INVENTIONS
[NASA RELEASE-93-91] P93-10092 06

SCIENTIFIC SATELLITES

S COSMIC BACKGROUND EXPLORER SATELLITE
S EXPLORER SCIENTIFIC SATELLITES

S GINGA SATELLITE
S IUE /INTERNATIONAL ULTRAVIOLET

EXPLORER/
S JOINT ULTRAVIOLET NIGHT SKY OBSERVER

S ROSAT /GERMAN SATELLITE/
S SUBMILLIMETER WAVE ASTRONOMY

SATELLITE
S TRANSITIONAL REGION AND CORONAL

EXPLORER
S WIDE-FIELD INFRARED EXPLORER

SCIENTISTS

ASTROPHYSICIST NAMED 1992 NASA INVENTOR OF
THE YEAR
[NASA RELEASE-93-24] P93-10025 06

AAAS TO HONOR NASA SCIENTIST FOR OZONE
RESEARCH
[NASA RELEASE-93-26] P93-10027 06

CLEMENTINE MISSION SCIENCE TEAM SELECTED
[NASA RELEASE-93-66] P93-10067 06

CORDOVA NAMED NASA CHIEF SCIENTIST
[NASA RELEASE-93-162] P93-10163 06

SEA

S SCANNING ELECTRONIC ANALYZER

SEA STATES

TOPEX POSEIDON MAPS PRECISE GLOBAL SEA
LEVEL
[NASA RELEASE-93-122] P93-10123 06

TOPEX/POSEIDON DATA CONFIRMS EL NINO
PREDICTIONS
[NASA RELEASE-93-205] P93-10206 06

SEARCH FOR EXTRATERRESTRIAL INTELLIGENCE

NASA USES NEW METHOD TO DETECT NEW STARS
AND PLANETS
[NASA RELEASE-93-106] P93-10107 06

SELFRIIDGE AFB, MICH.

S AIR FORCE, U.S.

SEMICONDUCTORS

STS-62 AND STS-59 SPACE SHUTTLE CREW
ASSIGNMENTS ANNOUNCED
[NASA RELEASE-93-42] P93-10043 06

NASA ANNOUNCES NEW SEMICONDUCTOR
GROWTH PROCESS
[NASA RELEASE-93-200] P93-10201 06

SENSORS

NASA SYSTEM RESEARCH AIRCRAFT MAKES FIRST
TEST FLIGHT
[NASA RELEASE-93-95] P93-10096 06

NEW WINDSHEAR SENSORS A
GOVERNMENT-INDUSTRY 'SUCCESS STORY'
[NASA RELEASE-93-170] P93-10171 06

NASA, FAA CONSIDER REVISED WINDSHEAR
PILOTING PROCEDURES
[NASA RELEASE-93-171] P93-10172 06

JPL TEAM DEVELOPS SPECIAL POLLUTION
DETECTION GLASS
[NASA RELEASE-93-209] P93-10210 06

SETI PROJECT

S SEARCH FOR EXTRATERRESTRIAL
INTELLIGENCE

SEYFERT GALAXY

HUBBLE DISCOVERS A DOUBLE NUCLEUS IN CORE
OF ACTIVE GALAXY
[NASA RELEASE-93-6] P93-10007 06

HUBBLE SUPPORTS BLACK HOLE MODEL FOR
ACTIVE GALAXIES
[NASA RELEASE-93-130] P93-10131 06

MYSTERY OF 'FASTEST FLICKERING' GALAXY
SOLVED
[NASA RELEASE-93-192] P93-10193 06

SHARP PLUS RESEARCH APPRENTICESHIP

PROGRAM
MINORITY STUDENTS APPRENTICE ON SPACE
RESEARCH
[NASA RELEASE-93-116] P93-10117 06

SHIELDING

S THERMAL PROTECTION SYSTEM

SHOCK WAVES

ULYSSES REACHES UNEXPLORED REGIONS OF
SUN
[NASA RELEASE-93-217] P93-10218 06

SHUTTLE DERIVED LAUNCH VEHICLES

STATION REDESIGN TEAM TO SUBMIT FINAL
REPORT
[NASA RELEASE-93-104] P93-10105 06

SHUTTLE PALLET SATELLITES /SPAS/

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

NASA AND GERMAN SPACE AGENCY SIGN SPACE
AGREEMENT
[NASA RELEASE-93-129] P93-10130 06

PAYLOAD COMMANDERS NAMED FOR FUTURE
SHUTTLE MISSIONS
[NASA RELEASE-93-140] P93-10141 06

SHUTTLE SOLAR BACKSCATTER UV INSTRUMENT

1992-93 GLOBAL OZONE LEVELS LOWER THAN ANY
PREVIOUS YEAR
[NASA RELEASE-93-74] P93-10075 06

SIGNAL PROCESSING

CATARACT SUFFERERS COULD BENEFIT FROM
SPACE TECHNOLOGY
[NASA RELEASE-93-45] P93-10046 06

FLIGHT TESTS PROVE SIMPLER SATELLITE-GUIDED
AUTOLAND METHOD
[NASA RELEASE-93-165] P93-10166 06

SIKORSKY AIRCRAFT, STRATFORD, CONN.

NASA TESTS HELICOPTER MODEL IN ICING
CONDITIONS
[NASA RELEASE-93-147] P93-10148 06

SILICON CARBIDE

NASA ANNOUNCES NEW SEMICONDUCTOR
GROWTH PROCESS
[NASA RELEASE-93-200] P93-10201 06

SIMULATION

S COMPUTERIZED SIMULATION

SIMULATORS

S FLIGHT SIMULATORS
S NEUTRAL BUOYANCY SIMULATOR

SKICAT

S SKY IMAGE CATALOGING AND ANALYSIS TOOL

SKY IMAGE CATALOGING AND ANALYSIS TOOL

COMPUTER PROGRAM WILL CATALOG
ASTRONOMICAL SKY SURVEY
[NASA RELEASE-93-67] P93-10068 06

SKY SURVEYS /ASTRONOMY/

COMPUTER PROGRAM WILL CATALOG
ASTRONOMICAL SKY SURVEY
[NASA RELEASE-93-67] P93-10068 06

NEW DISCOVERIES BY NASA'S EUV EXPLORER
PRESENTED
[NASA RELEASE-93-105] P93-10106 06

HUBBLE DEEP-SKY SURVEY FINDS INTERACTING
GALAXIES IN A CLUSTER
[NASA RELEASE-93-203] P93-10204 06

SLS-1

S SPACELAB LIFE SCIENCES 1

SLS-2

S SPACELAB LIFE SCIENCES 2

SMALL BUSINESS INNOVATION RES. OFF., NASA

NASA SPONSORING SMALL BUSINESS
CONFERENCE ON DEC. 1-2
[NASA RELEASE-93-201] P93-10202 06

SMALL BUSINESS INNOVATION RESEARCH PROGRAM

NASA SELECTS PHASE II SMALL BUSINESS
INNOVATION RESEARCH PROJECTS
[NASA RELEASE-93-3] P93-10003 06

GOLDIN CALLS FOR IMPROVED TECHNOLOGY
TRANSFER TO INDUSTRY
[NASA RELEASE-93-9] P93-10010 06

NASA SELECTS SMALL BUSINESS INNOVATION
RESEARCH PROJECTS
[NASA RELEASE-93-33] P93-10034 06

NASA OSHKOSH EXHIBIT HIGHLIGHTS U.S.
'LEADERSHIP IN AERONAUTICS'
[NASA RELEASE-93-128] P93-10129 06

NEW WINDSHEAR SENSORS A
GOVERNMENT-INDUSTRY 'SUCCESS STORY'
[NASA RELEASE-93-170] P93-10171 06

NASA SPONSORING SMALL BUSINESS
CONFERENCE ON DEC. 1-2
[NASA RELEASE-93-201] P93-10202 06

NASA ANNOUNCES 1993 SBIR PHASE I
SELECTIONS
[NASA RELEASE-93-207] P93-10208 06

TECHNOLOGY 2003 TO HIGHLIGHT NEW
TECHNOLOGICAL DISCOVERIES
[NASA RELEASE-93-212] P93-10213 06

NASA ANNOUNCES ADDITIONAL 1993 SMALL
BUSINESS SELECTIONS
[NASA RELEASE-93-216] P93-10217 06

NASA SELECTS PHASE II SMALL BUSINESS
PROJECTS
[NASA RELEASE-93-219] P93-10220 06

SMALL BUSINESS OUTREACH PROGRAM

NASA SMALL BUSINESS OUTREACH OFFICE TO
OPEN IN NASHUA, N.H.
[NASA RELEASE-93-206] P93-10207 06

SMALL BUSINESSES

NASA CO-SPONSORS HIGH-TECH SMALL BUSINESS
CONFERENCE
[NASA RELEASE-93-29] P93-10030 06

NASA EXCEEDS MINORITY SMALL BUSINESS GOAL
AHEAD OF SCHEDULE
[NASA RELEASE-93-214] P93-10215 06

REMARKS BY NASA ADMINISTRATOR DAN GOLDIN
BEFORE THE JPL HIGH-TECH SMALL BUSINESS
DEVELOPMENT PROCUREMENT CONFERENCE, LOS
ANGELES, CALIFORNIA P93-10231 05

ADDRESS TO THE AIAA P93-10240 05

SMALL EXPLORER PROJECT /SMEX/
S SMALL-CLASS EXPLORER PROGRAM

SMALL SCIENTIFIC SATELLITES
S SMALL-CLASS EXPLORER PROGRAM

SMALL-CLASS EXPLORER PROGRAM
NASA SELECTS SECOND SET OF SMALL EXPLORER
MISSIONS
[NASA RELEASE-93-168] P93-10169 06

SOIL STUDIES
NASA AND THE RUSSIAN SPACE AGENCY SIGN
MARS '94 CONTRACT
[NASA RELEASE-93-62] P93-10063 06

NASA SCIENTISTS CREATE EARTH BREATHING
IMAGE
[NASA RELEASE-93-223] P93-10224 06

SOLAR ARRAYS
HUBBLE TELESCOPE SERVICING MISSION
SCHEDULED FOR ELEVEN DAYS
[NASA RELEASE-93-76] P93-10077 06

FIVE SPACEWALKS TO SERVICE HUBBLE SPACE
TELESCOPE HIGHLIGHTS SHUTTLE MISSION STS-61
[NASA RELEASE-93-204] P93-10205 06

SOLAR BACKSCATTER UV SPECTRAL RADIOMETER
1992-93 GLOBAL OZONE LEVELS LOWER THAN ANY
PREVIOUS YEAR
[NASA RELEASE-93-74] P93-10075 06

SOLAR MAGNETIC FIELD
ULYSSES REACHES UNEXPLORED REGIONS OF
SUN
[NASA RELEASE-93-217] P93-10218 06

SOLAR PHYSICS
NASA SELECTS SECOND SET OF SMALL EXPLORER
MISSIONS
[NASA RELEASE-93-168] P93-10169 06

SOLAR POLAR MISSION
S ULYSSES MISSION

SOLAR POWER
ANTARCTIC TO BECOME LABORATORY FOR
FUTURE MARS MISSIONS
[NASA RELEASE-93-178] P93-10179 06

SOLAR PROBE
S ULYSSES MISSION

SOLAR RADIATION
STS-56 MISSION CONTINUES NASA'S MISSION TO
PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06

MT. PINATUBO ERUPTION CAUSES TEMPORARY
COOLING OF EARTH
[NASA RELEASE-93-41] P93-10042 06

EVIDENCE POINTS TO OCEANS, LIGHTNING ON
EARLY VENUS
[NASA RELEASE-93-51] P93-10052 06

CREW MEMBERS SELECTED FOR STS-63 SHUTTLE
SPACEHAB-3 FLIGHT
[NASA RELEASE-93-161] P93-10162 06

SOLAR SYSTEM EXPLORATION
S PLANETARY EXPLORATION
S SPACE EXPLORATION

SOLAR SYSTEM EXPLORATION DIVISION, NASA
NASA BEGINS DEVELOPMENT OF FIRST
ASTEROID-ORBITING MISSION
[NASA RELEASE-93-220] P93-10221 06

SOLAR WIND
VOYAGER SPACECRAFT FIND CLUE TO ANOTHER
SOLAR SYSTEM MYSTERY
[NASA RELEASE-93-99] P93-10100 06

PIONEER CELEBRATES 10 YEARS BEYOND THE
KNOWN SOLAR PLANETS
[NASA RELEASE-93-110] P93-10111 06

CREW MEMBERS SELECTED FOR STS-63 SHUTTLE
SPACEHAB-3 FLIGHT
[NASA RELEASE-93-161] P93-10162 06

GALILEO DETECTS MAGNETIC FIELD AROUND
ASTEROID IDA
[NASA RELEASE-93-193] P93-10194 06

ULYSSES REACHES UNEXPLORED REGIONS OF
SUN
[NASA RELEASE-93-217] P93-10218 06

**SOLAR, ANOMALOUS & MAGNETOSPHERIC
EXPLORER**
S SAMPEX SATELLITE

SOLID NITROGEN
NITROGEN ICE DISCOVERED ON PLUTO
[NASA RELEASE-93-142] P93-10143 06

SOLID PROPELLANT ROCKET ENGINES
S ADVANCED SOLID ROCKET MOTOR /SHUTTLE/

SOLID ROCKET BOOSTERS
S ADVANCED SOLID ROCKET MOTOR /SHUTTLE/

SOLID ROCKET MOTOR
S ADVANCED SOLID ROCKET MOTOR /SHUTTLE/
S REDESIGNED SOLID ROCKET MOTOR
/SHUTTLE/

SOLID STATE PHYSICS
S CRYSTALLOGRAPHY
S SEMICONDUCTORS

SOLIDIFIED GASES
NITROGEN ICE DISCOVERED ON PLUTO
[NASA RELEASE-93-142] P93-10143 06

FROZEN MOLECULAR HYDROGEN DISCOVERED IN
STELLAR NURSERY
[NASA RELEASE-93-187] P93-10188 06

SOMANETICS CORP., TROY, MICH.
ASTRONAUT BAGIAN TAKES LEAVE OF ABSENCE
[NASA RELEASE-93-139] P93-10140 06

SOUNDING
S ATMOSPHERIC SOUNDING

SOUTHAMPTON UNIV., ENGLAND
COMPTON OBSERVATORY DISCOVERS INTENSE,
NEW X-RAY PULSAR
[NASA RELEASE-93-141] P93-10142 06

SOUTHERN CALIF. SMALL BUS. UTILIZ. COUNCIL
NASA CO-SPONSORS HIGH-TECH SMALL BUSINESS
CONFERENCE
[NASA RELEASE-93-29] P93-10030 06

SOUTHERN UNIV., LA.
NASA FOSTERS AEROSPACE ENGINEERING AT
SOUTHERN UNIVERSITY
[NASA RELEASE-93-197] P93-10198 06

SOUTHWESTERN MEDICAL CENTER, DALLAS, TX
NASA SELECTS CENTER FOR LIFE SCIENCES
RESEARCH
[NASA RELEASE-93-40] P93-10041 06

SOVIET SPACECRAFT
S MIR SPACE STATION

SPACE
S INTERSTELLAR SPACE

SPACE BIOLOGY
S EXOBIOLOGY

SPACE COMMERCIALIZATION
FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

TDRSS C-BAND AGREEMENT RESTRUCTURED
[NASA RELEASE-93-126] P93-10127 06

NASA MODIFIES FUNDING SUPPORT FOR CENTERS
FOR COMMERCIAL DEVELOPMENT
[NASA RELEASE-93-225] P93-10226 06

SPACE COMMUNICATIONS
SA SPACECRAFT COMMUNICATIONS

NASA TDRSS NETWORK MARKS 10 YEARS OF
OPERATION
[NASA RELEASE-93-60] P93-10061 06

NASA NAMES HEAD OF MARS OBSERVER
INVESTIGATION BOARD
[NASA RELEASE-93-153] P93-10154 06

MARS OBSERVER INVESTIGATION BOARD
MEMBERS NAMED
[NASA RELEASE-93-159] P93-10160 06

NASA SELECTS FLIGHT TECHNOLOGY
PROPOSALS
[NASA RELEASE-93-186] P93-10187 06

SPACE DOCKING

NASA AND RUSSIAN SPACE AGENCY SIGN
AGREEMENT FOR ADDITIONAL SPACE SHUTTLE/MIR
MISSIONS
[NASA RELEASE-93-222] P93-10223 06

SPACE EXPLORATION

SA LUNAR EXPLORATION
SA PLANETARY EXPLORATION

NASA PRESENTS PUBLIC SERVICE MEDAL TO GENE
RODDENBERRY
[NASA RELEASE-93-19] P93-10020 06

ORGANIZATIONAL CHANGES TO ENHANCE
PROGRAMS, RELATIONS
[NASA RELEASE-93-44] P93-10045 06

THREE SPACECRAFT TO CONDUCT 3-WEEK
GRAVITATIONAL WAVE SEARCH
[NASA RELEASE-93-48] P93-10049 06

EXPLORATION EFFORT SHIFTED TO OFFICE OF
SPACE SCIENCE
[NASA RELEASE-93-54] P93-10055 06

NASA TO FEATURE VIDEOWALL AT PARIS AIR
SHOW
[NASA RELEASE-93-92] P93-10093 06

PIONEER CELEBRATES 10 YEARS BEYOND THE
KNOWN SOLAR PLANETS
[NASA RELEASE-93-110] P93-10111 06

TRANSCRIPT: REMARKS BY DANIEL S. GOLDIN ON
NASA TELEVISION P93-10230 05

REMARKS BY NASA ADMINISTRATOR DANIEL S.
GOLDIN TO THE AMERICAN ASTRONAUTICAL
SOCIETY - GODDARD MEMORIAL SYMPOSIUM:
REDESIGN OF THE SPACE STATION; HYATT REGENCY
HOTEL, CRYSTAL CITY, ARLINGTON, VIRGINIA
P93-10232 05

NASA BUDGET BRIEFING; NASA HEADQUARTERS,
WASHINGTON, DC P93-10234 05

THE REDESIGN OF THE SPACE STATION:
GRAPPLING WITH THE CHALLENGE TO CHANGE
P93-10237 05

REMARKS PREPARED FOR DELIVERY: TO BOLDLY
GO - GIVING THOUGHT TO WHAT COMES NEXT IN
SPACE; NATIONAL SPACE CLUB SPACE OUTLOOK
CONFERENCE, FAIRFAX, VIRGINIA P93-10238 05

NEW YORK TIMES INTERVIEW P93-10242 05

REMARKS BY NASA ADMINISTRATOR DAN GOLDIN
TO THE AEROSPACE INDUSTRY ASSOCIATION (AIA);
LITCHFIELD PARK, ARIZONA P93-10243 05

MUTUAL BROADCASTING SYSTEM'S 'THE LARRY
KING SHOW': INTERVIEW WITH DAN GOLDIN
P93-10249 05

SPACE FLIGHTS

S SPACE TRANSPORTATION SYSTEM FLIGHTS
S STS-50
S STS-51
S STS-54
S STS-55
S STS-56
S STS-57
S STS-58
S STS-59
S STS-60
S STS-61
S STS-62
S STS-63
S STS-66
S STS-67
S STS-68
S STS-69

SPACE GRANT COLLEGES/CONSORTIA

S UNIVERSITY PROGRAMS

SPACE HARDWARE OPTIMIZATION TECH., IND.

CONSORT 6 LAUNCH DATE SET
[NASA RELEASE-93-22] P93-10023 06

SPACE LABORATORIES

NASA TO DEVELOP AND BUILD SPACE STATION
FURNACE FACILITY
[NASA RELEASE-93-211] P93-10212 06

SPACE MAINTENANCE

SPACE STATION PRECURSOR WORK CONTINUES
ON SHUTTLE IN 1993
[NASA RELEASE-93-10] P93-10011 06

SPACE MANUFACTURING

NASA TO DEVELOP AND BUILD SPACE STATION
FURNACE FACILITY
[NASA RELEASE-93-211] P93-10212 06

REMARKS PREPARED FOR DELIVERY: BRUNEL'S
PRODUCTION LINE - INSPIRATION, INNOVATION AND
THE MARCH OF TECHNOLOGY; NATIONAL CENTER
FOR MANUFACTURING SCIENCES 1993 ANNUAL
MEETING, WASHINGTON, DC P93-10236 05

SPACE MISSIONS**SA SPACE SHUTTLE MISSIONS**

NASA SELECTS 11 DISCOVERY MISSION CONCEPTS
FOR STUDY
[NASA RELEASE-93-27] P93-10028 06

EXPLORATION EFFORT SHIFTED TO OFFICE OF
SPACE SCIENCE
[NASA RELEASE-93-54] P93-10055 06

NASA NAMES TEAM TO STUDY RETURN TRIP TO
MARS
[NASA RELEASE-93-157] P93-10158 06

NASA SELECTS SECOND SET OF SMALL EXPLORER
MISSIONS
[NASA RELEASE-93-168] P93-10169 06

SPACE PHYSICS

U.S./RUSSIAN SPACE AGENCIES HOOKING
SCIENCE NETWORKS
[NASA RELEASE-93-196] P93-10197 06

SPACE PLATFORMS**SA EURECA /ESA/**

CREW MEMBERS SELECTED FOR STS-63 SHUTTLE
SPACEHAB-3 FLIGHT
[NASA RELEASE-93-161] P93-10162 06

SPACE POWER**SA SPACECRAFT POWER SUPPLIES**

NASA MODIFIES FUNDING SUPPORT FOR CENTERS
FOR COMMERCIAL DEVELOPMENT
[NASA RELEASE-93-225] P93-10226 06

SPACE PROBES

S PIONEER VENUS PROBE
S PIONEER 10
S PIONEER 11
S VOYAGER SPACECRAFT

SPACE PROCESSING

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

REMARKS PREPARED FOR DELIVERY: TO BOLDLY
GO - GIVING THOUGHT TO WHAT COMES NEXT IN
SPACE; NATIONAL SPACE CLUB SPACE OUTLOOK
CONFERENCE, FAIRFAX, VIRGINIA P93-10238 05

SPACE PROGRAMS

SA ANTARCTIC SPACE ANALOG PROGRAM
SA MARS OBSERVER MISSION
SA RESEARCH PROJECTS

TRANSCRIPT: REMARKS BY DANIEL S. GOLDIN ON
NASA TELEVISION P93-10230 05

REMARKS BY NASA ADMINISTRATOR DAN GOLDIN
BEFORE THE JPL HIGH-TECH SMALL BUSINESS
DEVELOPMENT PROCUREMENT CONFERENCE; LOS
ANGELES, CALIFORNIA P93-10231 05

REMARKS BY NASA ADMINISTRATOR DANIEL S.
GOLDIN TO THE AMERICAN ASTRONAUTICAL
SOCIETY - GODDARD MEMORIAL SYMPOSIUM:
REDESIGN OF THE SPACE STATION; HYATT REGENCY
HOTEL, CRYSTAL CITY, ARLINGTON, VIRGINIA
P93-10232 05

NASA BUDGET BRIEFING; NASA HEADQUARTERS,
WASHINGTON, DC P93-10234 05

AIAA LUNCHEON; CRYSTAL CITY HYATT REGENCY
HOTEL, CRYSTAL CITY, VIRGINIA P93-10235 05

REMARKS PREPARED FOR DELIVERY: BRUNEL'S
PRODUCTION LINE - INSPIRATION, INNOVATION AND
THE MARCH OF TECHNOLOGY; NATIONAL CENTER
FOR MANUFACTURING SCIENCES 1993 ANNUAL
MEETING, WASHINGTON, DC P93-10236 05

THE REDESIGN OF THE SPACE STATION:
GRAPPLING WITH THE CHALLENGE TO CHANGE
P93-10237 05

REMARKS PREPARED FOR DELIVERY: TO BOLDLY
GO - GIVING THOUGHT TO WHAT COMES NEXT IN
SPACE; NATIONAL SPACE CLUB SPACE OUTLOOK
CONFERENCE, FAIRFAX, VIRGINIA P93-10238 05

PRESS CONFERENCE; JOHNSON SPACE CENTER,
HOUSTON, TEXAS P93-10239 05

ADDRESS TO THE AIAA P93-10240 05

NASA INTERVIEW WITH BILL BROAD, NEW YORK
TIMES SCIENCE WRITER P93-10241 05

NEW YORK TIMES INTERVIEW P93-10242 05

REMARKS BY NASA ADMINISTRATOR DAN GOLDIN
TO THE AEROSPACE INDUSTRY ASSOCIATION (AIA);
LITCHFIELD PARK, ARIZONA P93-10243 05

INTERVIEW WITH MATT BATES, INTERNATIONAL
AEROSPACE MACHINISTS UNION; ACR
HEADQUARTERS, WASHINGTON, DC P93-10245 05

REMARKS BY DANIEL S. GOLDIN P93-10246 05

WEST VIRGINIA HIGH TECH CONSORTIUM;
FAIRMONT, WEST VIRGINIA P93-10247 05

REMARKS GIVEN TO JOHN LOGSTONE SPACE
POLICY CLASS; GEORGE WASHINGTON UNIVERSITY
P93-10248 05

MUTUAL BROADCASTING SYSTEM'S 'THE LARRY
KING SHOW': INTERVIEW WITH DAN GOLDIN
P93-10249 05

SPACE RADAR LABORATORY

STS-62 AND STS-59 SPACE SHUTTLE CREW
ASSIGNMENTS ANNOUNCED
[NASA RELEASE-93-42] P93-10043 06

PAYLOAD COMMANDERS NAMED FOR FUTURE
SHUTTLE MISSIONS
[NASA RELEASE-93-140] P93-10141 06

SPACE RADIATION**SA GALACTIC RADIATION**

CLEMENTINE MISSION SCIENCE TEAM SELECTED
[NASA RELEASE-93-66] P93-10067 06

SPACE RESEARCH INSTITUTE /RUSSIA/

NASA AND THE RUSSIAN SPACE AGENCY SIGN
MARS '94 CONTRACT
[NASA RELEASE-93-62] P93-10063 06

NASA AMES TO DRIVE RUSSIAN ROBOT VIA
SATELLITE
[NASA RELEASE-93-84] P93-10085 06

INTERNATIONAL MARS EXPLORATION GROUP
FORMED
[NASA RELEASE-93-87] P93-10088 06

U.S./RUSSIAN SPACE AGENCIES HOOKING
SCIENCE NETWORKS
[NASA RELEASE-93-196] P93-10197 06

SPACE RESEARCH ORGANIZATION, NETHERLANDS

GAMMA-RAY OBSERVATORY PRODUCES THREE
MAJOR DISCOVERIES
[NASA RELEASE-93-182] P93-10183 06

SPACE SCIENCE BOARD, NAS-NRC

SPACE STATION REDESIGN ADVISORY MEMBERS
NAMED
[NASA RELEASE-93-59] P93-10060 06

SPACE SCIENCES

ORGANIZATIONAL CHANGES TO ENHANCE
PROGRAMS, RELATIONS
[NASA RELEASE-93-44] P93-10045 06

NASA TO FEATURE VIDEOWALL AT PARIS AIR
SHOW
[NASA RELEASE-93-92] P93-10093 06

MINORITY STUDENTS APPRENTICE ON SPACE
RESEARCH
[NASA RELEASE-93-116] P93-10117 06

NASA EDUCATION TELECASTS SCHEDULED FOR
1993-94 SCHOOL YEAR
[NASA RELEASE-93-150] P93-10151 06

TWENTY NATIONAL STUDENT WINNERS HONORED
IN WASHINGTON
[NASA RELEASE-93-175] P93-10176 06

SPACE SHUTTLE MISSIONS

SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE-93-4A] P93-10005 06

SECOND GERMAN SPACELAB MISSION IS SPACE
SHUTTLE'S 54TH FLIGHT
[NASA RELEASE-93-20] P93-10021 06

SPACEWALK ADDED TO JULY SPACE SHUTTLE
FLIGHT
[NASA RELEASE-93-21] P93-10022 06

SPACEWALK ADDED TO APRIL SPACE SHUTTLE
FLIGHT
[NASA RELEASE-93-31] P93-10032 06

STS-56 MISSION CONTINUES NASA'S MISSION TO
PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06

STS-62 AND STS-59 SPACE SHUTTLE CREW
ASSIGNMENTS ANNOUNCED
[NASA RELEASE-93-42] P93-10043 06

PRIME AND BACKUP COSMONAUTS NAMED FOR
SHUTTLE STS-60 MISSION
[NASA RELEASE-93-61] P93-10062 06

HUBBLE TELESCOPE SERVICING MISSION
SCHEDULED FOR ELEVEN DAYS
[NASA RELEASE-93-76] P93-10077 06

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

COLUMBIA'S RETURN MARKS SIGNIFICANT SPACE
SHUTTLE MILESTONES
[NASA RELEASE-93-79] P93-10080 06

HUBBLE SERVICING MISSION STUDY COMPLETED
[NASA RELEASE-93-96] P93-10097 06

SHUTTLE OZONE DATA RETRIEVED FROM ATMOS
RECORDER
[NASA RELEASE-93-118] P93-10119 06

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

STS-58 SECOND SPACELAB MISSION DEDICATED
TO LIFE SCIENCES P93-10136 06

PAYLOAD COMMANDERS NAMED FOR FUTURE
SHUTTLE MISSIONS
[NASA RELEASE-93-140] P93-10141 06

CREW MEMBERS SELECTED FOR STS-63 SHUTTLE
SPACEHAB-3 FLIGHT
[NASA RELEASE-93-161] P93-10162 06

PROTEIN CRYSTAL GROWTH RESEARCH TAKES
STEP TOWARD NEW DRUGS
[NASA RELEASE-93-166] P93-10167 06

HUBBLE INSTRUMENT MAY RECEIVE FURTHER
TESTING
[NASA RELEASE-93-169] P93-10170 06

SHUTTLE MISSION TO CONDUCT SCIENTIFIC
FIRST
[NASA RELEASE-93-173] P93-10174 06

PORTABLE COMPUTER TO HELP ASTRONAUTS
CONDUCT SCIENCE
[NASA RELEASE-93-180] P93-10181 06

SHUTTLE RAT EXPERIMENT YIELDS UNEXPECTED
RESULTS
[NASA RELEASE-93-181] P93-10182 06

FIVE SPACEWALKS TO SERVICE HUBBLE SPACE
TELESCOPE HIGHLIGHTS SHUTTLE MISSION STS-61
[NASA RELEASE-93-204] P93-10205 06

SPACE SHUTTLE OPERATIONS

PEARSON ANNOUNCES SHUTTLE PROGRAM
ADJUSTMENTS
[NASA RELEASE-93-49] P93-10050 06

GOLDIN ANNOUNCES KEY SPACE STATION
MANAGEMENT MOVES
[NASA RELEASE-93-191] P93-10192 06

SPACE SHUTTLE ORBITERS

SA ATLANTIS
SA COLUMBIA
SA DISCOVERY
SA ENDEAVOUR

SHUTTLE TILE MATERIAL MAY HELP IN BONE
TRANSPLANTS
[NASA RELEASE-93-102] P93-10103 06

SPACE SHUTTLE PAYLOADS**SA GETAWAY SPECIALS**

FIRST 1993 SHUTTLE MISSION DEMONSTRATES
UNIQUE CAPABILITIES
[NASA RELEASE-93-4] P93-10004 06

SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE-93-4A] P93-10005 06

SPACE STATION PRECURSOR WORK CONTINUES
ON SHUTTLE IN 1993
[NASA RELEASE-93-10] P93-10011 06

SECOND GERMAN SPACELAB MISSION IS SPACE SHUTTLE'S 54TH FLIGHT
[NASA RELEASE-93-20] P93-10021 06

SPACEWALK ADDED TO APRIL SPACE SHUTTLE FLIGHT
[NASA RELEASE-93-31] P93-10032 06

STS-56 MISSION CONTINUES NASA'S MISSION TO PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06

STS-62 AND STS-59 SPACE SHUTTLE CREW ASSIGNMENTS ANNOUNCED
[NASA RELEASE-93-42] P93-10043 06

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57 SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

COLUMBIA'S RETURN MARKS SIGNIFICANT SPACE SHUTTLE MILESTONES
[NASA RELEASE-93-79] P93-10080 06

NASA JOINS FORCES WITH INDUSTRY IN AIDS RESEARCH
[NASA RELEASE-93-88] P93-10089 06

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

NASA AND GERMAN SPACE AGENCY SIGN SPACE AGREEMENT
[NASA RELEASE-93-129] P93-10130 06

STS-58 SECOND SPACELAB MISSION DEDICATED TO LIFE SCIENCES
P93-10136 06

PAYLOAD COMMANDERS NAMED FOR FUTURE SHUTTLE MISSIONS
[NASA RELEASE-93-140] P93-10141 06

HUBBLE INSTRUMENT MAY RECEIVE FURTHER TESTING
[NASA RELEASE-93-169] P93-10170 06

SHUTTLE MISSION TO CONDUCT SCIENTIFIC FIRST
[NASA RELEASE-93-173] P93-10174 06

SPACE SHUTTLE PROGRAM OFFICE, NASA

PEARSON ANNOUNCES SHUTTLE PROGRAM ADJUSTMENTS
[NASA RELEASE-93-49] P93-10050 06

SPACE SHUTTLES

SPACE STATION PRECURSOR WORK CONTINUES ON SHUTTLE IN 1993
[NASA RELEASE-93-10] P93-10011 06

PEARSON ANNOUNCES SHUTTLE PROGRAM ADJUSTMENTS
[NASA RELEASE-93-49] P93-10050 06

NASA TDRSS NETWORK MARKS 10 YEARS OF OPERATION
[NASA RELEASE-93-60] P93-10061 06

CREW MEMBERS SELECTED FOR STS-63 SHUTTLE SPACEHAB-3 FLIGHT
[NASA RELEASE-93-161] P93-10162 06

YELLOW CREEK FACILITIES TARGETED FOR SHUTTLE NOZZLE WORK
[NASA RELEASE-93-215] P93-10216 06

NASA AND RUSSIAN SPACE AGENCY SIGN AGREEMENT FOR ADDITIONAL SPACE SHUTTLE/MIR MISSIONS
[NASA RELEASE-93-222] P93-10223 06

ADDRESS TO THE AIAA P93-10240 05

SPACE STATION FURNACE FACILITY

NASA TO DEVELOP AND BUILD SPACE STATION FURNACE FACILITY
[NASA RELEASE-93-211] P93-10212 06

SPACE STATION PROGRAM

SPACE STATION FREEDOM PROPULSION FIRING TESTS UNDERWAY
[NASA RELEASE-93-7] P93-10008 06

SPACE STATION PRECURSOR WORK CONTINUES ON SHUTTLE IN 1993
[NASA RELEASE-93-10] P93-10011 06

SPACEWALK ADDED TO JULY SPACE SHUTTLE FLIGHT
[NASA RELEASE-93-21] P93-10022 06

SPACEWALK ADDED TO APRIL SPACE SHUTTLE FLIGHT
[NASA RELEASE-93-31] P93-10032 06

NASA BUDGET BOOSTS TECHNOLOGY, PROMISES IMPROVED SPACE STATION PROGRAM
[NASA RELEASE-93-32] P93-10033 06

GOLDIN ANNOUNCES KEY SPACE STATION POSTS, SPENDING MEASURES
[NASA RELEASE-93-38] P93-10039 06

ORGANIZATIONAL CHANGES TO ENHANCE PROGRAMS, RELATIONS
[NASA RELEASE-93-44] P93-10045 06

PEARSON ANNOUNCES SHUTTLE PROGRAM ADJUSTMENTS
[NASA RELEASE-93-49] P93-10050 06

SPACE STATION REDESIGN ADVISORY MEMBERS NAMED
[NASA RELEASE-93-59] P93-10060 06

GIBBONS OUTLINES SPACE STATION REDESIGN GUIDANCE
[NASA RELEASE-93-64] P93-10065 06

STATION REDESIGN TEAM TO SUBMIT FINAL REPORT
[NASA RELEASE-93-104] P93-10105 06

TWO ASTRONAUTS APPOINTED TO HEADQUARTERS POSITIONS
[NASA RELEASE-93-120] P93-10121 06

SPACE STATION ORGANIZATION CHANGES ANNOUNCED
[NASA RELEASE-93-136] P93-10137 06

SPACE STATION HOST CENTER AND PRIME CONTRACTOR ANNOUNCED
[NASA RELEASE-93-148] P93-10149 06

NASA SPACE STATION DIRECTOR RICHARD KOHRS TO RETIRE
[NASA RELEASE-93-160] P93-10161 06

GOLDIN ANNOUNCES KEY SPACE STATION MANAGEMENT MOVES
[NASA RELEASE-93-191] P93-10192 06

TRANSCRIPT: REMARKS BY DANIEL S. GOLDIN ON NASA TELEVISION P93-10230 05

REMARKS BY NASA ADMINISTRATOR DANIEL S. GOLDIN TO THE AMERICAN ASTRONAUTICAL SOCIETY - GODDARD MEMORIAL SYMPOSIUM: REDESIGN OF THE SPACE STATION; HYATT REGENCY HOTEL, CRYSTAL CITY, ARLINGTON, VIRGINIA P93-10232 05

NASA PRESS CONFERENCE: SPACE STATION REDESIGN; NASA HEADQUARTERS BUILDING, WASHINGTON, DC P93-10233 05

NASA BUDGET BRIEFING; NASA HEADQUARTERS, WASHINGTON, DC P93-10234 05

AIAA LUNCHEON; CRYSTAL CITY HYATT REGENCY HOTEL, CRYSTAL CITY, VIRGINIA P93-10235 05

REMARKS PREPARED FOR DELIVERY: TO BOLDLY GO - GIVING THOUGHT TO WHAT COMES NEXT IN SPACE; NATIONAL SPACE CLUB SPACE OUTLOOK CONFERENCE, FAIRFAX, VIRGINIA P93-10238 05

ADDRESS TO THE AIAA P93-10240 05

REMARKS BY NASA ADMINISTRATOR DAN GOLDIN TO THE AEROSPACE INDUSTRY ASSOCIATION (AIA); LITCHFIELD PARK, ARIZONA P93-10243 05

INTERVIEW WITH MATT BATES, INTERNATIONAL AEROSPACE MACHINISTS UNION; ACR HEADQUARTERS, WASHINGTON, DC P93-10245 05

REMARKS GIVEN TO JOHN LOGSTONE SPACE POLICY CLASS; GEORGE WASHINGTON UNIVERSITY P93-10248 05

SPACE STATION REDESIGN

NASA BUDGET BOOSTS TECHNOLOGY, PROMISES IMPROVED SPACE STATION PROGRAM
[NASA RELEASE-93-32] P93-10033 06

GOLDIN ANNOUNCES KEY SPACE STATION POSTS, SPENDING MEASURES
[NASA RELEASE-93-38] P93-10039 06

SPACE STATION REDESIGN ADVISORY MEMBERS NAMED
[NASA RELEASE-93-59] P93-10060 06

GIBBONS OUTLINES SPACE STATION REDESIGN GUIDANCE
[NASA RELEASE-93-64] P93-10065 06

STATION REDESIGN TEAM TO SUBMIT FINAL REPORT
[NASA RELEASE-93-104] P93-10105 06

TWO ASTRONAUTS APPOINTED TO HEADQUARTERS POSITIONS
[NASA RELEASE-93-120] P93-10121 06

SPACE STATION ORGANIZATION CHANGES ANNOUNCED
[NASA RELEASE-93-136] P93-10137 06

SPACE STATION HOST CENTER AND PRIME CONTRACTOR ANNOUNCED
[NASA RELEASE-93-148] P93-10149 06

HST SERVICING MISSION HIGHLIGHTS 1993 NASA ACCOMPLISHMENTS
[NASA RELEASE-93-226] P93-10227 06

TRANSCRIPT: REMARKS BY DANIEL S. GOLDIN ON NASA TELEVISION P93-10230 05

REMARKS BY NASA ADMINISTRATOR DANIEL S. GOLDIN TO THE AMERICAN ASTRONAUTICAL SOCIETY - GODDARD MEMORIAL SYMPOSIUM: REDESIGN OF THE SPACE STATION; HYATT REGENCY HOTEL, CRYSTAL CITY, ARLINGTON, VIRGINIA P93-10232 05

NASA PRESS CONFERENCE: SPACE STATION REDESIGN; NASA HEADQUARTERS BUILDING, WASHINGTON, DC P93-10233 05

NASA BUDGET BRIEFING; NASA HEADQUARTERS, WASHINGTON, DC P93-10234 05

AIAA LUNCHEON; CRYSTAL CITY HYATT REGENCY HOTEL, CRYSTAL CITY, VIRGINIA P93-10235 05

THE REDESIGN OF THE SPACE STATION: GRAPPLING WITH THE CHALLENGE TO CHANGE P93-10237 05

REMARKS BY NASA ADMINISTRATOR DAN GOLDIN TO THE AEROSPACE INDUSTRY ASSOCIATION (AIA); LITCHFIELD PARK, ARIZONA P93-10243 05

SPACE STATIONS

SA MIR SPACE STATION

SA SPACE STATION FURNACE FACILITY

SPACE STATION FREEDOM PROPULSION FIRING TESTS UNDERWAY
[NASA RELEASE-93-7] P93-10008 06

SPACE STATION PRECURSOR WORK CONTINUES ON SHUTTLE IN 1993
[NASA RELEASE-93-10] P93-10011 06

SPACEWALK ADDED TO JULY SPACE SHUTTLE FLIGHT
[NASA RELEASE-93-21] P93-10022 06

SPACEWALK ADDED TO APRIL SPACE SHUTTLE FLIGHT
[NASA RELEASE-93-31] P93-10032 06

NASA BUDGET BOOSTS TECHNOLOGY, PROMISES IMPROVED SPACE STATION PROGRAM
[NASA RELEASE-93-32] P93-10033 06

GOLDIN ANNOUNCES KEY SPACE STATION POSTS, SPENDING MEASURES
[NASA RELEASE-93-38] P93-10039 06

NASA TDRSS NETWORK MARKS 10 YEARS OF OPERATION
[NASA RELEASE-93-60] P93-10061 06

NASA TO FEATURE VIDEOWALL AT PARIS AIR SHOW
[NASA RELEASE-93-92] P93-10093 06

SPACE STATION HOST CENTER AND PRIME CONTRACTOR ANNOUNCED
[NASA RELEASE-93-148] P93-10149 06

NASA SPACE STATION DIRECTOR RICHARD KOHRS TO RETIRE
[NASA RELEASE-93-160] P93-10161 06

NASA TO DEVELOP AND BUILD SPACE STATION FURNACE FACILITY
[NASA RELEASE-93-211] P93-10212 06

REMARKS BY NASA ADMINISTRATOR DANIEL S. GOLDIN TO THE AMERICAN ASTRONAUTICAL SOCIETY - GODDARD MEMORIAL SYMPOSIUM: REDESIGN OF THE SPACE STATION; HYATT REGENCY HOTEL, CRYSTAL CITY, ARLINGTON, VIRGINIA P93-10232 05

NASA PRESS CONFERENCE: SPACE STATION REDESIGN; NASA HEADQUARTERS BUILDING, WASHINGTON, DC P93-10233 05

AIAA LUNCHEON; CRYSTAL CITY HYATT REGENCY HOTEL, CRYSTAL CITY, VIRGINIA P93-10235 05

THE REDESIGN OF THE SPACE STATION: GRAPPLING WITH THE CHALLENGE TO CHANGE P93-10237 05

REMARKS PREPARED FOR DELIVERY: TO BOLDLY GO - GIVING THOUGHT TO WHAT COMES NEXT IN SPACE; NATIONAL SPACE CLUB SPACE OUTLOOK CONFERENCE, FAIRFAX, VIRGINIA P93-10238 05

- PRESS CONFERENCE; JOHNSON SPACE CENTER, HOUSTON, TEXAS P93-10239 05
- ADDRESS TO THE AIAA P93-10240 05
- NEW YORK TIMES INTERVIEW P93-10242 05
- INTERVIEW WITH MATT BATES, INTERNATIONAL AEROSPACE MACHINISTS UNION; ACR HEADQUARTERS, WASHINGTON, DC P93-10245 05
- REMARKS GIVEN TO JOHN LOGSTONE SPACE POLICY CLASS, GEORGE WASHINGTON UNIVERSITY P93-10248 05
- MUTUAL BROADCASTING SYSTEM'S 'THE LARRY KING SHOW': INTERVIEW WITH DAN GOLDIN P93-10249 05
- SPACE STRUCTURES**
- NASA MODIFIES FUNDING SUPPORT FOR CENTERS FOR COMMERCIAL DEVELOPMENT [NASA RELEASE-93-225] P93-10226 06
- SPACE SUITS**
- NASA SPACE SUIT AND MEDICAL TECHNOLOGIES HONORED [NASA RELEASE-93-69] P93-10070 06
- METABOLIC SPACEWALK STUDIES SUBJECT OF AMES RESEARCH [NASA RELEASE-93-93] P93-10094 06
- SPACE TELESCOPE**
- S HUBBLE SPACE TELESCOPE
- SPACE TELESCOPE SCIENCE INSTITUTE**
- MYSTERIOUS CONCENTRATION OF DARK MATTER DISCOVERED [NASA RELEASE-93-1] P93-10001 06
- HUBBLE DISCOVERS A DOUBLE NUCLEUS IN CORE OF ACTIVE GALAXY [NASA RELEASE-93-6] P93-10007 06
- HUBBLE LOOKS AT THE HEART OF A GALAXY COLLISION [NASA RELEASE-93-97] P93-10098 06
- HUBBLE CLOSING IN ON AGE OF THE UNIVERSE [NASA RELEASE-93-108] P93-10109 06
- HUBBLE FINDS EVIDENCE OF STELLAR CLOSE ENCOUNTERS [NASA RELEASE-93-109] P93-10110 06
- HUBBLE SUPPORTS BLACK HOLE MODEL FOR ACTIVE GALAXIES [NASA RELEASE-93-130] P93-10131 06
- HUBBLE SEES GAS SHELL AROUND NOVA CYGNI 1992 [NASA RELEASE-93-174] P93-10175 06
- HUBBLE INVESTIGATES COMET ON A COLLISION COURSE WITH JUPITER [NASA RELEASE-93-188] P93-10189 06
- SPACE TRANSPORTATION SYSTEM**
- SA SPACE SHUTTLE ORBITERS
- ADDRESS TO THE AIAA P93-10240 05
- SPACE TRANSPORTATION SYSTEM FLIGHTS**
- SA STS-50
- SA STS-51
- SA STS-54
- SA STS-55
- SA STS-56
- SA STS-57
- SA STS-58
- SA STS-59
- SA STS-60
- SA STS-61
- SA STS-62
- SA STS-63
- SA STS-66
- SA STS-67
- SA STS-68
- SA STS-69
- PAYLOAD COMMANDERS NAMED FOR FUTURE SHUTTLE MISSIONS [NASA RELEASE-93-140] P93-10141 06
- SHUTTLE RAT EXPERIMENT YIELDS UNEXPECTED RESULTS [NASA RELEASE-93-181] P93-10182 06
- SPACEBORNE ASTRONOMY**
- NASA SATELLITE DATA SHAKE THEORIES ON GAMMA-RAY BURSTS [NASA RELEASE-93-72] P93-10073 06
- HUBBLE SUPPORTS BLACK HOLE MODEL FOR ACTIVE GALAXIES [NASA RELEASE-93-130] P93-10131 06
- CREW MEMBERS SELECTED FOR STS-63 SHUTTLE SPACEHAB-3 FLIGHT [NASA RELEASE-93-161] P93-10162 06
- SPACEBORNE EXPERIMENTS**
- FIRST 1993 SHUTTLE MISSION DEMONSTRATES UNIQUE CAPABILITIES [NASA RELEASE-93-4] P93-10004 06
- SPACE SHUTTLE MISSION: STS-54 [NASA RELEASE-93-4A] P93-10005 06
- SPACE STATION PRECURSOR WORK CONTINUES ON SHUTTLE IN 1993 [NASA RELEASE-93-10] P93-10011 06
- SECOND GERMAN SPACELAB MISSION IS SPACE SHUTTLE'S 54TH FLIGHT [NASA RELEASE-93-20] P93-10021 06
- CONSORT 6 LAUNCH DATE SET [NASA RELEASE-93-22] P93-10023 06
- SPACEWALK ADDED TO APRIL SPACE SHUTTLE FLIGHT [NASA RELEASE-93-31] P93-10032 06
- STS-56 MISSION CONTINUES NASA'S MISSION TO PLANET EARTH [NASA RELEASE-93-34] P93-10035 06
- STS-62 AND STS-59 SPACE SHUTTLE CREW ASSIGNMENTS ANNOUNCED [NASA RELEASE-93-42] P93-10043 06
- PRIME AND BACKUP COSMONAUTS NAMED FOR SHUTTLE STS-60 MISSION [NASA RELEASE-93-61] P93-10062 06
- NASA AND THE RUSSIAN SPACE AGENCY SIGN MARS '94 CONTRACT [NASA RELEASE-93-62] P93-10063 06
- FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57 SHUTTLE MISSION [NASA RELEASE-93-78] P93-10079 06
- NASA JOINS FORCES WITH INDUSTRY IN AIDS RESEARCH [NASA RELEASE-93-88] P93-10089 06
- ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION [NASA RELEASE-93-121] P93-10122 06
- STS-58 SECOND SPACELAB MISSION DEDICATED TO LIFE SCIENCES P93-10136 06
- PROTEIN CRYSTAL GROWTH RESEARCH TAKES STEP TOWARD NEW DRUGS [NASA RELEASE-93-166] P93-10167 06
- SHUTTLE MISSION TO CONDUCT SCIENTIFIC FIRST [NASA RELEASE-93-173] P93-10174 06
- PORTABLE COMPUTER TO HELP ASTRONAUTS CONDUCT SCIENCE [NASA RELEASE-93-180] P93-10181 06
- SHUTTLE RAT EXPERIMENT YIELDS UNEXPECTED RESULTS [NASA RELEASE-93-181] P93-10182 06
- NASA SELECTS FLIGHT TECHNOLOGY PROPOSALS [NASA RELEASE-93-186] P93-10187 06
- NASA TO DEVELOP AND BUILD SPACE STATION FURNACE FACILITY [NASA RELEASE-93-211] P93-10212 06
- SPACEBORNE PHOTOGRAPHY**
- S SATELLITE IMAGERY
- SPACEBORNE TELESCOPES**
- S HUBBLE SPACE TELESCOPE
- S IUE /INTERNATIONAL ULTRAVIOLET EXPLORER/
- SPACEBRIDGE NETWORK**
- NASA PROGRAM TO HELP VICTIMS OF RUSSIAN EMERGENCY [NASA RELEASE-93-183] P93-10184 06
- SPACECRAFT**
- S AEROSPACE PLANES
- S METEOR SPACECRAFT
- S SPACE SHUTTLE ORBITERS
- S SPACE SHUTTLES
- S VOYAGER SPACECRAFT
- SPACECRAFT COMMUNICATIONS**
- NASA NAMES HEAD OF MARS OBSERVER INVESTIGATION BOARD [NASA RELEASE-93-153] P93-10154 06
- MARS OBSERVER INVESTIGATION BOARD MEMBERS NAMED [NASA RELEASE-93-159] P93-10160 06
- SPACECRAFT CONFIGURATIONS**
- STATION REDESIGN TEAM TO SUBMIT FINAL REPORT [NASA RELEASE-93-104] P93-10105 06
- SPACECRAFT CONTROL**
- SA ORBIT ATTITUDE AND MANEUVER SYSTEMS
- NASA SUCCEEDS WITH GAMMA-RAY OBSERVATORY REBOOST [NASA RELEASE-93-224] P93-10225 06
- SPACECRAFT DESIGN**
- TWENTY NATIONAL STUDENT WINNERS HONORED IN WASHINGTON [NASA RELEASE-93-175] P93-10176 06
- SPACECRAFT FAILURE**
- NASA NAMES HEAD OF MARS OBSERVER INVESTIGATION BOARD [NASA RELEASE-93-153] P93-10154 06
- NASA/NOAA PANEL TO INVESTIGATE NOAA-13 FAILURE [NASA RELEASE-93-154] P93-10155 06
- MARS OBSERVER INVESTIGATION BOARD MEMBERS NAMED [NASA RELEASE-93-159] P93-10160 06
- SPACECRAFT INSTRUMENTS**
- CLEMENTINE MISSION SCIENCE TEAM SELECTED [NASA RELEASE-93-66] P93-10067 06
- SPACECRAFT MAINTENANCE**
- SA CORRECTIVE OPTICS /HUBBLE TELESCOPE/
- NASA TO COMMERCIALIZE REMOTE-CONTROL TECHNOLOGY [NASA RELEASE-93-100] P93-10101 06
- SPACECRAFT MANEUVERS**
- SA ORBITAL MANEUVERS
- MAGELLAN TO TEST AEROBRACING MANEUVER IN VENUS ATMOSPHERE [NASA RELEASE-93-89] P93-10090 06
- MAGELLAN AEROBRACING, GRAVITY STUDIES UNDERWAY [NASA RELEASE-93-98] P93-10099 06
- COMPTON GAMMA-RAY OBSERVATORY TO GET ORBIT BOOST [NASA RELEASE-93-179] P93-10180 06
- SPACECRAFT POWER SUPPLIES**
- NASA SELECTS FLIGHT TECHNOLOGY PROPOSALS [NASA RELEASE-93-186] P93-10187 06
- SPACECRAFT PROPULSION**
- SPACE STATION FREEDOM PROPULSION FIRING TESTS UNDERWAY [NASA RELEASE-93-7] P93-10008 06
- SPACECRAFT RECOVERY**
- SPACEWALK ADDED TO APRIL SPACE SHUTTLE FLIGHT [NASA RELEASE-93-31] P93-10032 06
- FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57 SHUTTLE MISSION [NASA RELEASE-93-78] P93-10079 06
- SPACECREWS**
- FIRST 1993 SHUTTLE MISSION DEMONSTRATES UNIQUE CAPABILITIES [NASA RELEASE-93-4] P93-10004 06
- SPACE SHUTTLE MISSION: STS-54 [NASA RELEASE-93-4A] P93-10005 06
- SECOND GERMAN SPACELAB MISSION IS SPACE SHUTTLE'S 54TH FLIGHT [NASA RELEASE-93-20] P93-10021 06
- STS-56 MISSION CONTINUES NASA'S MISSION TO PLANET EARTH [NASA RELEASE-93-34] P93-10035 06
- STS-62 AND STS-59 SPACE SHUTTLE CREW ASSIGNMENTS ANNOUNCED [NASA RELEASE-93-42] P93-10043 06

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57 SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

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[NASA RELEASE-93-121] P93-10122 06

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SHUTTLE MISSION TO CONDUCT SCIENTIFIC FIRST
[NASA RELEASE-93-173] P93-10174 06

FIVE SPACEWALKS TO SERVICE HUBBLE SPACE TELESCOPE HIGHLIGHTS SHUTTLE MISSION STS-61
[NASA RELEASE-93-204] P93-10205 06

SPACEHAB

SPACE STATION PRECURSOR WORK CONTINUES ON SHUTTLE IN 1993
[NASA RELEASE-93-10] P93-10011 06

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[NASA RELEASE-93-61] P93-10062 06

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[NASA RELEASE-93-161] P93-10162 06

SPACELAB

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[NASA RELEASE-93-118] P93-10119 06

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PROTEIN CRYSTAL GROWTH RESEARCH TAKES STEP TOWARD NEW DRUGS
[NASA RELEASE-93-166] P93-10167 06

PORTABLE COMPUTER TO HELP ASTRONAUTS CONDUCT SCIENCE
[NASA RELEASE-93-180] P93-10181 06

SPACELAB LIFE SCIENCES 1

SHUTTLE MISSION TO CONDUCT SCIENTIFIC FIRST
[NASA RELEASE-93-173] P93-10174 06

SPACELAB LIFE SCIENCES 2

SHUTTLE MISSION TO CONDUCT SCIENTIFIC FIRST
[NASA RELEASE-93-173] P93-10174 06

SPARTAN SATELLITES

CREW MEMBERS SELECTED FOR STS-63 SHUTTLE SPACEHAB-3 FLIGHT
[NASA RELEASE-93-161] P93-10162 06

SPARTAN-HALLEY MISSION

S SPARTAN SATELLITES

SPECIALIZED CENTERS OF RESEARCH & TRAINING
NASA SELECTS CENTER FOR LIFE SCIENCES RESEARCH
[NASA RELEASE-93-40] P93-10041 06

SPECTRA

S INFRARED SPECTRA
S LINE SPECTRA

SPECTROGRAPHS

EVIDENCE FOR SOLID WATER FOUND ON JUPITER'S MOON IO
[NASA RELEASE-93-107] P93-10108 06

NASA AND GERMAN SPACE AGENCY SIGN SPACE AGREEMENT
[NASA RELEASE-93-129] P93-10130 06

SPECTROMETERS

S INFRARED SPECTROMETER
S POSITRON ELECTRON MAGNETIC SPECTROMETER
S ULTRAVIOLET SPECTROMETER
S X-RAY SPECTROMETER

SPECTROPHOTOMETERS

SA FAR INFRARED ABSOLUTE SPECTROPHOTOMETER

1993 ANTARCTIC OZONE HOLE REACHES RECORD LOWS
[NASA RELEASE-93-190] P93-10191 06

SPECTROSCOPY

S ASTRONOMICAL SPECTROSCOPY

SPEED INDICATORS

NASA SYSTEM RESEARCH AIRCRAFT MAKES FIRST TEST FLIGHT
[NASA RELEASE-93-95] P93-10096 06

NASA TESTS NEW LASER AIR DATA SYSTEM ON SR-71 BLACKBIRD
[NASA RELEASE-93-163] P93-10164 06

SPINOFFS

S TECHNOLOGY TRANSFER

SPIRAL GALAXIES

DIAMONDS IN THE SKY CHALLENGE GALAXY EVOLUTION THEORIES
[NASA RELEASE-93-58] P93-10059 06

HUBBLE CLOSING IN ON AGE OF THE UNIVERSE
[NASA RELEASE-93-108] P93-10109 06

HUBBLE FINDS A DOUBLE NUCLEUS IN THE ANDROMEDA GALAXY
[NASA RELEASE-93-133] P93-10134 06

SR-71 AIRCRAFT

NASA SR-71 NOW A FLYING OBSERVATORY
[NASA RELEASE-93-71] P93-10072 06

NASA TESTS NEW LASER AIR DATA SYSTEM ON SR-71 BLACKBIRD
[NASA RELEASE-93-163] P93-10164 06

STANFORD UNIV., CALIF.

SPACE STATION REDESIGN ADVISORY MEMBERS NAMED
[NASA RELEASE-93-59] P93-10060 06

PORTABLE COMPUTER TO HELP ASTRONAUTS CONDUCT SCIENCE
[NASA RELEASE-93-180] P93-10181 06

STAR CLUSTERS

S GLOBULAR CLUSTERS

STAR FORMATION

HUBBLE SUPPORTS BLACK HOLE MODEL FOR ACTIVE GALAXIES
[NASA RELEASE-93-130] P93-10131 06

GAMMA-RAY OBSERVATORY PRODUCES THREE MAJOR DISCOVERIES
[NASA RELEASE-93-182] P93-10183 06

FROZEN MOLECULAR HYDROGEN DISCOVERED IN STELLAR NURSERY
[NASA RELEASE-93-187] P93-10188 06

HUBBLE DEEP-SKY SURVEY FINDS INTERACTING GALAXIES IN A CLUSTER
[NASA RELEASE-93-203] P93-10204 06

STAR WARS SCENARIO

S STRATEGIC DEFENSE INITIATIVE PROGRAM

STARBURST GALAXIES

HUBBLE SUPPORTS BLACK HOLE MODEL FOR ACTIVE GALAXIES
[NASA RELEASE-93-130] P93-10131 06

STARFIRE ROCKET

CONSORT 6 LAUNCH DATE SET
[NASA RELEASE-93-22] P93-10023 06

STARS

S ANDROMEDA NEBULA
S BINARY STARS
S BLUE STARS
S GALAXIES
S GLOBULAR CLUSTERS
S NEUTRON STARS
S NOVA CYGNI 1992
S PULSARS
S RED GIANT STARS
S SUPERGIANT STARS
S SUPERNOVA
S VARIABLE STARS
S WHITE DWARF STARS
S X-RAY STARS

STATIONS

S GROUND STATIONS

STELLAR ENVELOPES

HUBBLE SEES GAS SHELL AROUND NOVA CYGNI 1992
[NASA RELEASE-93-174] P93-10175 06

STELLAR EVOLUTION

DIAMONDS IN THE SKY CHALLENGE GALAXY EVOLUTION THEORIES
[NASA RELEASE-93-58] P93-10059 06

SCIENTISTS REVEAL NATURE OF EXPLODING, RED SUPERGIANT STAR
[NASA RELEASE-93-63] P93-10064 06

NEW DISCOVERIES BY NASA'S EUV EXPLORER PRESENTED
[NASA RELEASE-93-105] P93-10106 06

NASA USES NEW METHOD TO DETECT NEW STARS AND PLANETS
[NASA RELEASE-93-106] P93-10107 06

HUBBLE FINDS EVIDENCE OF STELLAR CLOSE ENCOUNTERS
[NASA RELEASE-93-109] P93-10110 06

HUBBLE SEES GAS SHELL AROUND NOVA CYGNI 1992
[NASA RELEASE-93-174] P93-10175 06

FROZEN MOLECULAR HYDROGEN DISCOVERED IN STELLAR NURSERY
[NASA RELEASE-93-187] P93-10188 06

STELLAR GRAVITATION

HUBBLE IDENTIFIES A SOURCE OF MYSTERIOUS X-RAY BURSTS
[NASA RELEASE-93-156] P93-10157 06

STELLAR MASS EJECTION

HUBBLE SEES GAS SHELL AROUND NOVA CYGNI 1992
[NASA RELEASE-93-174] P93-10175 06

STELLAR RADIATION

SCIENTISTS REVEAL NATURE OF EXPLODING, RED SUPERGIANT STAR
[NASA RELEASE-93-63] P93-10064 06

HUBBLE IDENTIFIES A SOURCE OF MYSTERIOUS X-RAY BURSTS
[NASA RELEASE-93-156] P93-10157 06

STELLAR SPECTRA

SCIENTISTS REVEAL NATURE OF EXPLODING, RED SUPERGIANT STAR
[NASA RELEASE-93-63] P93-10064 06

STELLAR WINDS

SCIENTISTS REVEAL NATURE OF EXPLODING, RED SUPERGIANT STAR
[NASA RELEASE-93-63] P93-10064 06

COMPTON OBSERVATORY DISCOVERS INTENSE, NEW X-RAY PULSAR
[NASA RELEASE-93-141] P93-10142 06

GAMMA-RAY OBSERVATORY PRODUCES THREE MAJOR DISCOVERIES
[NASA RELEASE-93-182] P93-10183 06

STENNIS SPACE CENTER, MISS.

ORGANIZATIONAL CHANGES TO ENHANCE PROGRAMS, RELATIONS
[NASA RELEASE-93-44] P93-10045 06

NASA AND CENTRAL AMERICA WILL EXPAND RAIN FOREST STUDIES
[NASA RELEASE-93-47] P93-10048 06

NASA PROVIDING MIDWEST FLOODING INFORMATION
[NASA RELEASE-93-134] P93-10135 06

- NASA LIMITS EXPENDITURES ON THE ASRM PROGRAM
[NASA RELEASE-93-189] P93-10190 06
- NASA-RUSSIAN MISSION EXPLORES KAMCHATKAN VOLCANOES
[NASA RELEASE-93-198] P93-10199 06
- TOPEX/POSEIDON DATA CONFIRMS EL NINO PREDICTIONS
[NASA RELEASE-93-205] P93-10206 06
- STEP**
S STRATEGIC TECHNOL. EVALUATION PRGM. /STEP/
- STEREOPHOTOGRAPHY**
NASA NAMES IMAGING PRINCIPAL INVESTIGATOR FOR MESUR PATHFINDER
[NASA RELEASE-93-146] P93-10147 06
- STERLING FEDERAL SYSTEMS, INC.**
METABOLIC SPACEWALK STUDIES SUBJECT OF AMES RESEARCH
[NASA RELEASE-93-93] P93-10094 06
- STORMS**
S THUNDERSTORMS
- STRAIN GAGES**
NASA INVENTION YIELDS BETTER, FASTER STRESS MEASUREMENTS
[NASA RELEASE-93-2] P93-10002 06
- STRATEGIC DEFENSE INITIATIVE PROGRAM**
CLEMENTINE MISSION SCIENCE TEAM SELECTED
[NASA RELEASE-93-66] P93-10067 06
TECHNOLOGY TRANSFER CENTER TO WORK WITH SDIO TO AID INDUSTRY
[NASA RELEASE-93-77] P93-10078 06
- STRATEGIC PLANNING COUNCIL, NASA**
FINARELLI APPOINTED HEAD OF STRATEGIC PLANNING
[NASA RELEASE-93-132] P93-10133 06
- STRATEGIC TECHNOL. EVALUATION PRGM. /STEP/**
LEWIS, CASE, BATTELLE TO COMMERCIALIZE NASA INVENTIONS
[NASA RELEASE-93-91] P93-10092 06
- STRATOSPHERE**
OZONE DESTROYING CHLORINE EXISTED LONGER IN 1992-93 WINTER
[NASA RELEASE-93-68] P93-10069 06
- STRESS MEASUREMENT**
NASA INVENTION YIELDS BETTER, FASTER STRESS MEASUREMENTS
[NASA RELEASE-93-2] P93-10002 06
- STS-50**
PROTEIN CRYSTAL GROWTH RESEARCH TAKES STEP TOWARD NEW DRUGS
[NASA RELEASE-93-166] P93-10167 06
- STS-51**
SPACEWALK ADDED TO JULY SPACE SHUTTLE FLIGHT
[NASA RELEASE-93-21] P93-10022 06
ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06
NASA BOARD TO INVESTIGATE STS-51 HARDWARE PROBLEM
[NASA RELEASE-93-184] P93-10185 06
- STS-54**
FIRST 1993 SHUTTLE MISSION DEMONSTRATES UNIQUE CAPABILITIES
[NASA RELEASE-93-4] P93-10004 06
SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE-93-4A] P93-10005 06
SPACE STATION PRECURSOR WORK CONTINUES ON SHUTTLE IN 1993
[NASA RELEASE-93-10] P93-10011 06
- STS-55**
SPACE STATION PRECURSOR WORK CONTINUES ON SHUTTLE IN 1993
[NASA RELEASE-93-10] P93-10011 06
SECOND GERMAN SPACELAB MISSION IS SPACE SHUTTLE'S 54TH FLIGHT
[NASA RELEASE-93-20] P93-10021 06
- STS-56**
SPACE STATION PRECURSOR WORK CONTINUES ON SHUTTLE IN 1993
[NASA RELEASE-93-10] P93-10011 06
- STS-56 MISSION CONTINUES NASA'S MISSION TO PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06
SHUTTLE OZONE DATA RETRIEVED FROM ATMOS RECORDER
[NASA RELEASE-93-118] P93-10119 06
- STS-57**
SPACEWALK ADDED TO APRIL SPACE SHUTTLE FLIGHT
[NASA RELEASE-93-31] P93-10032 06
FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57 SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06
PROTEIN CRYSTAL GROWTH RESEARCH TAKES STEP TOWARD NEW DRUGS
[NASA RELEASE-93-166] P93-10167 06
- STS-58**
STS-58 SECOND SPACELAB MISSION DEDICATED TO LIFE SCIENCES
[NASA RELEASE-93-136] P93-10136 06
SHUTTLE MISSION TO CONDUCT SCIENTIFIC FIRST
[NASA RELEASE-93-173] P93-10174 06
- STS-59**
STS-62 AND STS-59 SPACE SHUTTLE CREW ASSIGNMENTS ANNOUNCED
[NASA RELEASE-93-42] P93-10043 06
- STS-60**
PRIME AND BACKUP COSMONAUTS NAMED FOR SHUTTLE STS-60 MISSION
[NASA RELEASE-93-61] P93-10062 06
NASA AND RUSSIAN SPACE AGENCY SIGN AGREEMENT FOR ADDITIONAL SPACE SHUTTLE/MIR MISSIONS
[NASA RELEASE-93-222] P93-10223 06
- STS-61**
HUBBLE TELESCOPE SERVICING MISSION SCHEDULED FOR ELEVEN DAYS
[NASA RELEASE-93-76] P93-10077 06
HUBBLE SERVICING MISSION STUDY COMPLETED
[NASA RELEASE-93-96] P93-10097 06
FIVE SPACEWALKS TO SERVICE HUBBLE SPACE TELESCOPE HIGHLIGHTS SHUTTLE MISSION STS-61
[NASA RELEASE-93-204] P93-10205 06
HST SERVICING MISSION HIGHLIGHTS 1993 NASA ACCOMPLISHMENTS
[NASA RELEASE-93-226] P93-10227 06
- STS-62**
STS-62 AND STS-59 SPACE SHUTTLE CREW ASSIGNMENTS ANNOUNCED
[NASA RELEASE-93-42] P93-10043 06
- STS-63**
CREW MEMBERS SELECTED FOR STS-63 SHUTTLE SPACEHAB-3 FLIGHT
[NASA RELEASE-93-161] P93-10162 06
NASA AND RUSSIAN SPACE AGENCY SIGN AGREEMENT FOR ADDITIONAL SPACE SHUTTLE/MIR MISSIONS
[NASA RELEASE-93-222] P93-10223 06
- STS-66**
PAYLOAD COMMANDERS NAMED FOR FUTURE SHUTTLE MISSIONS
[NASA RELEASE-93-140] P93-10141 06
- STS-67**
PAYLOAD COMMANDERS NAMED FOR FUTURE SHUTTLE MISSIONS
[NASA RELEASE-93-140] P93-10141 06
- STS-68**
PAYLOAD COMMANDERS NAMED FOR FUTURE SHUTTLE MISSIONS
[NASA RELEASE-93-140] P93-10141 06
- STS-69**
PAYLOAD COMMANDERS NAMED FOR FUTURE SHUTTLE MISSIONS
[NASA RELEASE-93-140] P93-10141 06
- STUDENT INVOLVEMENT PROJECT**
TWENTY NATIONAL STUDENT WINNERS HONORED IN WASHINGTON
[NASA RELEASE-93-175] P93-10176 06
- SUBCONTRACTS**
MINORITY CONTRACTORS OF THE YEAR AWARDS ANNOUNCED
[NASA RELEASE-93-177] P93-10178 06
- SUBMERSIBLE VESSELS**
ANTARCTIC TO BECOME LABORATORY FOR FUTURE MARS MISSIONS
[NASA RELEASE-93-178] P93-10179 06
- SUBMILLIMETER WAVE ASTRONOMY SATELLITE**
NASA SELECTS SECOND SET OF SMALL EXPLORER MISSIONS
[NASA RELEASE-93-168] P93-10169 06
- SUBSONIC AIRCRAFT**
NASA TESTING NEW, POWERFUL DUCTED FANS ENGINE FOR CIVIL JETS
[NASA RELEASE-93-103] P93-10104 06
- SULFURIC ACID**
1993 ANTARCTIC OZONE HOLE REACHES RECORD LOWS
[NASA RELEASE-93-190] P93-10191 06
- SUN**
THREE SPACECRAFT TO CONDUCT 3-WEEK GRAVITATIONAL WAVE SEARCH
[NASA RELEASE-93-48] P93-10049 06
ULYSSES REACHES UNEXPLORED REGIONS OF SUN
[NASA RELEASE-93-217] P93-10218 06
- SUNSPOTS**
ULYSSES REACHES UNEXPLORED REGIONS OF SUN
[NASA RELEASE-93-217] P93-10218 06
- SUPERCOMPUTERS**
S CRAY Y-MP SUPERCOMPUTER
- SUPERGIANT STARS**
SCIENTISTS REVEAL NATURE OF EXPLODING, RED SUPERGIANT STAR
[NASA RELEASE-93-63] P93-10064 06
- SUPERNOVA**
SUPERNOVA MAY HAVE CAUSED HUGE VOID AROUND SOLAR SYSTEM
[NASA RELEASE-93-36] P93-10037 06
THREE SPACECRAFT TO CONDUCT 3-WEEK GRAVITATIONAL WAVE SEARCH
[NASA RELEASE-93-48] P93-10049 06
SCIENTISTS REVEAL NATURE OF EXPLODING, RED SUPERGIANT STAR
[NASA RELEASE-93-63] P93-10064 06
HUBBLE CLOSING IN ON AGE OF THE UNIVERSE
[NASA RELEASE-93-108] P93-10109 06
GAMMA-RAY OBSERVATORY PRODUCES THREE MAJOR DISCOVERIES
[NASA RELEASE-93-182] P93-10183 06
- SUPERSONIC AIRCRAFT**
NASA STARTS PHASE II OF SUPERSONIC AIRLINER EFFORT
[NASA RELEASE-93-202] P93-10203 06
NASA BUDGET BRIEFING; NASA HEADQUARTERS, WASHINGTON, DC
[NASA RELEASE-93-103] P93-10234 05
INTERVIEW WITH MATT BATES, INTERNATIONAL AEROSPACE MACHINISTS UNION; ACR HEADQUARTERS, WASHINGTON, DC
[NASA RELEASE-93-182] P93-10245 05
- SUPERSONIC FLIGHT**
NASA TESTS NEW LASER AIR DATA SYSTEM ON SR-71 BLACKBIRD
[NASA RELEASE-93-163] P93-10164 06
- SUPERSONIC TRANSPORT**
NASA TO DEVELOP TECHNOLOGY FOR FUTURE HIGH-SPEED TRANSPORTS
[NASA RELEASE-93-52] P93-10053 06
NASA SR-71 NOW A FLYING OBSERVATORY
[NASA RELEASE-93-71] P93-10072 06
NASA TO FEATURE VIDEOWALL AT PARIS AIR SHOW
[NASA RELEASE-93-92] P93-10093 06
NASA AWARDS HIGH-SPEED AIR TRANSPORT MATERIALS STUDY CONTRACTS
[NASA RELEASE-93-124] P93-10125 06
NASA OSHKOSH EXHIBIT HIGHLIGHTS U.S. 'LEADERSHIP IN AERONAUTICS'
[NASA RELEASE-93-128] P93-10129 06
HST SERVICING MISSION HIGHLIGHTS 1993 NASA ACCOMPLISHMENTS
[NASA RELEASE-93-226] P93-10227 06

SUPRA MEDICAL CORP., CHADDS FORD, PA

NASA AND SUPRA MEDICAL CORP. TO DEVELOP
ULTRASOUND DETECTOR
[NASA RELEASE-93-125] P93-10126 06

SWAS

S SUBMILLIMETER WAVE ASTRONOMY
SATELLITE

SWEEP WINGS

NASA, LEARJET JOIN TO CREATE NEW BUSINESS
JET TECHNOLOGIES
[NASA RELEASE-93-46] P93-10047 06

SYMPOSIUM ON INTERDISCIPLINARY SCI. & ENG.

NASA/OHIO AEROSPACE INSTITUTE TO HOST
CYBERSPACE CONFERENCE
[NASA RELEASE-93-50] P93-10051 06

SYRACUSE UNIV.

INDUSTRY TESTS NASA COMPUTER PROGRAMS
FOR EFFICIENT DESIGNING
[NASA RELEASE-93-90] P93-10091 06

NASA BOOSTS HYPERSONIC RESEARCH WITH
UNIVERSITY GRANTS
[NASA RELEASE-93-152] P93-10153 06

SYSTEMS ENGINEERING

NASA AWARDS CONTRACT FOR EOSDIS CORE
SYSTEM
[NASA RELEASE-93-56] P93-10057 06

SYSTEMS TECHNOLOGY, INC.

SPACE STATION REDESIGN ADVISORY MEMBERS
NAMED
[NASA RELEASE-93-59] P93-10060 06

T

TAPE RECORDERS

SHUTTLE OZONE DATA RETRIEVED FROM ATMOS
RECORDER
[NASA RELEASE-93-118] P93-10119 06

TOR SATELLITES

FIRST 1993 SHUTTLE MISSION DEMONSTRATES
UNIQUE CAPABILITIES
[NASA RELEASE-93-4] P93-10004 06

SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE-93-4A] P93-10005 06

NASA TDRSS NETWORK MARKS 10 YEARS OF
OPERATION
[NASA RELEASE-93-60] P93-10061 06

TDRSS C-BAND AGREEMENT RESTRUCTURED
[NASA RELEASE-93-126] P93-10127 06

TORSS

S TRACKING AND DATA RELAY SATELLITE
SYSTEM

TEACHER RESOURCE CENTERS, NASA

NATIONAL TECHNOLOGY AND EDUCATION
INITIATIVES LAUNCHED
[NASA RELEASE-93-158] P93-10159 06

TECHNOLOGY COMMERCIALIZATION CENTERS

S CENTERS FOR THE COMMERCIAL DEV. OF
SPACE

TECHNOLOGY HALL OF FAME

NASA SPACE SUIT AND MEDICAL TECHNOLOGIES
HONORED
[NASA RELEASE-93-69] P93-10070 06

TECHNOLOGY REINVESTMENT PROJECT

NEW TECHNOLOGY REINVESTMENT PROJECT
SEMINAR SET FOR APRIL 1
[NASA RELEASE-93-57] P93-10058 06

NASA, OTHER AGENCIES TO EXPLAIN
TECHNOLOGY REINVESTMENT
[NASA RELEASE-93-65] P93-10066 06

SOLICITATION ISSUED FOR TECHNOLOGY
REINVESTMENT PROPOSALS
[NASA RELEASE-93-85] P93-10086 06

TECHNOLOGY TRANSFER

GOLDIN CALLS FOR IMPROVED TECHNOLOGY
TRANSFER TO INDUSTRY
[NASA RELEASE-93-9] P93-10010 06

NASA FUNDS EXPERIMENT TO HELP
COMMERCIALIZE TECHNOLOGY
[NASA RELEASE-93-37] P93-10038 06

CATARACT SUFFERERS COULD BENEFIT FROM
SPACE TECHNOLOGY
[NASA RELEASE-93-45] P93-10046 06

NASA, LEARJET JOIN TO CREATE NEW BUSINESS
JET TECHNOLOGIES
[NASA RELEASE-93-46] P93-10047 06

NEW TECHNOLOGY REINVESTMENT PROJECT
SEMINAR SET FOR APRIL 1
[NASA RELEASE-93-57] P93-10058 06

NASA SPACE SUIT AND MEDICAL TECHNOLOGIES
HONORED
[NASA RELEASE-93-69] P93-10070 06

NASA ENGINEER RECEIVES TECHNOLOGY
TRANSFER AWARD
[NASA RELEASE-93-73] P93-10074 06

TECHNOLOGY TRANSFER CENTER TO WORK WITH
SDIO TO AID INDUSTRY
[NASA RELEASE-93-77] P93-10078 06

SOLICITATION ISSUED FOR TECHNOLOGY
REINVESTMENT PROPOSALS
[NASA RELEASE-93-85] P93-10086 06

LEWIS, CASE, BATTELLE TO COMMERCIALIZE NASA
INVENTIONS
[NASA RELEASE-93-91] P93-10092 06

NASA TO COMMERCIALIZE REMOTE-CONTROL
TECHNOLOGY
[NASA RELEASE-93-100] P93-10101 06

SHUTTLE TILE MATERIAL MAY HELP IN BONE
TRANSPLANTS
[NASA RELEASE-93-102] P93-10103 06

NASA AND NIDCD SELECT VESTIBULAR RESEARCH
CENTER
[NASA RELEASE-93-111] P93-10112 06

NASA AND SUPRA MEDICAL CORP. TO DEVELOP
ULTRASOUND DETECTOR
[NASA RELEASE-93-125] P93-10126 06

NASA ADAPTING UNIQUE X-RAY SYSTEM TO
INSPECT AIRCRAFT
[NASA RELEASE-93-137] P93-10138 06

ARKANSAS, NASA SIGN TECHNOLOGY TRANSFER
ACCORD
[NASA RELEASE-93-138] P93-10139 06

UNIQUE CHEMICAL PROCESS COULD IMPROVE
CERAMIC MATERIALS
[NASA RELEASE-93-143] P93-10144 06

NASA, STATE OF FLORIDA, SIGN TECHNOLOGY
TRANSFER ACCORD
[NASA RELEASE-93-155] P93-10156 06

ARCHITECT OF NASA TECHNOLOGY INCUBATORS
TO RECEIVE AWARD
[NASA RELEASE-93-176] P93-10177 06

DIRECTOR OF AMES TECHNOLOGY
COMMERCIALIZATION CENTER NAMED
[NASA RELEASE-93-185] P93-10186 06

NASA SMALL BUSINESS OUTREACH OFFICE TO
OPEN IN NASHUA, N.H.
[NASA RELEASE-93-206] P93-10207 06

TECHNOLOGY 2003 TO HIGHLIGHT NEW
TECHNOLOGICAL DISCOVERIES
[NASA RELEASE-93-212] P93-10213 06

NASA ANNOUNCES ADDITIONAL 1993 SMALL
BUSINESS SELECTIONS
[NASA RELEASE-93-216] P93-10217 06

NASA-INDUSTRY EFFORT BOOSTS AUTOMATED
PARTS ID SYSTEM
[NASA RELEASE-93-218] P93-10219 06

NASA SELECTS PHASE II SMALL BUSINESS
PROJECTS
[NASA RELEASE-93-219] P93-10220 06

REMARKS BY NASA ADMINISTRATOR DAN GOLDIN
BEFORE THE JPL HIGH-TECH SMALL BUSINESS
DEVELOPMENT PROCUREMENT CONFERENCE; LOS
ANGELES, CALIFORNIA P93-10231 05

REMARKS BY NASA ADMINISTRATOR DANIEL S.
GOLDIN TO THE AMERICAN ASTRONAUTICAL
SOCIETY - GODDARD MEMORIAL SYMPOSIUM:
REDESIGN OF THE SPACE STATION; HYATT REGENCY
HOTEL, CRYSTAL CITY, ARLINGTON, VIRGINIA
P93-10232 05

NASA PRESS CONFERENCE: SPACE STATION
REDESIGN; NASA HEADQUARTERS BUILDING,
WASHINGTON, DC P93-10233 05

REMARKS PREPARED FOR DELIVERY: BRUNEL'S
PRODUCTION LINE - INSPIRATION, INNOVATION AND
THE MARCH OF TECHNOLOGY; NATIONAL CENTER
FOR MANUFACTURING SCIENCES 1993 ANNUAL
MEETING, WASHINGTON, DC P93-10236 05

REMARKS PREPARED FOR DELIVERY: TO BOLDLY
GO - GIVING THOUGHT TO WHAT COMES NEXT IN
SPACE; NATIONAL SPACE CLUB SPACE OUTLOOK
CONFERENCE, FAIRFAX, VIRGINIA P93-10238 05

REMARKS GIVEN TO JOHN LOGSTONE SPACE
POLICY CLASS; GEORGE WASHINGTON UNIVERSITY
P93-10248 05

TECHNOLOGY UTILIZATION

NASA FUNDS EXPERIMENT TO HELP
COMMERCIALIZE TECHNOLOGY
[NASA RELEASE-93-37] P93-10038 06

CATARACT SUFFERERS COULD BENEFIT FROM
SPACE TECHNOLOGY
[NASA RELEASE-93-45] P93-10046 06

SOLICITATION ISSUED FOR TECHNOLOGY
REINVESTMENT PROPOSALS
[NASA RELEASE-93-85] P93-10086 06

LEWIS, CASE, BATTELLE TO COMMERCIALIZE NASA
INVENTIONS
[NASA RELEASE-93-91] P93-10092 06

UNIQUE CHEMICAL PROCESS COULD IMPROVE
CERAMIC MATERIALS
[NASA RELEASE-93-143] P93-10144 06

NASA, STATE OF FLORIDA, SIGN TECHNOLOGY
TRANSFER ACCORD
[NASA RELEASE-93-155] P93-10156 06

DIRECTOR OF AMES TECHNOLOGY
COMMERCIALIZATION CENTER NAMED
[NASA RELEASE-93-185] P93-10186 06

NASA SMALL BUSINESS OUTREACH OFFICE TO
OPEN IN NASHUA, N.H.
[NASA RELEASE-93-206] P93-10207 06

TECHNOLOGY 2003 TO HIGHLIGHT NEW
TECHNOLOGICAL DISCOVERIES
[NASA RELEASE-93-212] P93-10213 06

NASA ANNOUNCES ADDITIONAL 1993 SMALL
BUSINESS SELECTIONS
[NASA RELEASE-93-216] P93-10217 06

TECHNOLOGY UTILIZATION FOUNDATION, N.Y.

TECHNOLOGY 2003 TO HIGHLIGHT NEW
TECHNOLOGICAL DISCOVERIES
[NASA RELEASE-93-212] P93-10213 06

TECHNOLOGY UTILIZATION PROGRAM

LEWIS SPACE RESEARCH SPAWNS WATER
PURIFICATION SYSTEM
[NASA RELEASE-93-86] P93-10087 06

UNIQUE CHEMICAL PROCESS COULD IMPROVE
CERAMIC MATERIALS
[NASA RELEASE-93-143] P93-10144 06

TECTONICS

NASA-RUSSIAN MISSION EXPLORES KAMCHATKAN
VOLCANOES
[NASA RELEASE-93-198] P93-10199 06

TELECONFERENCING

NASA EDUCATION TELECASTS SCHEDULED FOR
1993-94 SCHOOL YEAR
[NASA RELEASE-93-150] P93-10151 06

TELEMEDICAL SYSTEMS

NASA SPACE SUIT AND MEDICAL TECHNOLOGIES
HONORED
[NASA RELEASE-93-69] P93-10070 06

NASA PROGRAM TO HELP VICTIMS OF RUSSIAN
EMERGENCY
[NASA RELEASE-93-183] P93-10184 06

TELEPRESENCE

NASA/OHIO AEROSPACE INSTITUTE TO HOST
CYBERSPACE CONFERENCE
[NASA RELEASE-93-50] P93-10051 06

NASA AMES TO DRIVE RUSSIAN ROBOT VIA
SATELLITE
[NASA RELEASE-93-84] P93-10085 06

ANTARCTIC TO BECOME LABORATORY FOR
FUTURE MARS MISSIONS
[NASA RELEASE-93-178] P93-10179 06

TELEROBOTIC SYSTEMS

NASA AMES TO DRIVE RUSSIAN ROBOT VIA
SATELLITE
[NASA RELEASE-93-84] P93-10085 06

TELESCOPES

SA ENERGETIC GAMMA RAY EXPERIMENT
TELESCOPE
SA EXTREME UV TELESCOPE
SA HUBBLE SPACE TELESCOPE
SA IMAGING COMPTON TELESCOPE
SA INFRARED TELESCOPES
SA IUE /INTERNATIONAL ULTRAVIOLET
EXPLORER/

CREW MEMBERS SELECTED FOR STS-63 SHUTTLE
SPACEHAB-3 FLIGHT
[NASA RELEASE-93-161] P93-10162 06

TELEVISION

SA NASA SELECT TELEVISION

NASA PRESENTS PUBLIC SERVICE MEDAL TO GENE
RODDENBERRY
[NASA RELEASE-93-19] P93-10020 06

TELEVISION CAMERAS

NASA TO COMMERCIALIZE REMOTE-CONTROL
TECHNOLOGY
[NASA RELEASE-93-100] P93-10101 06

TELEVISION PROGRAMS

REMARKS BY NASA ADMINISTRATOR DAN GOLDIN
BEFORE THE JPL HIGH-TECH SMALL BUSINESS
DEVELOPMENT PROCUREMENT CONFERENCE, LOS
ANGELES, CALIFORNIA P93-10231 05

PRESS CONFERENCE, JOHNSON SPACE CENTER,
HOUSTON, TEXAS P93-10239 05

MUTUAL BROADCASTING SYSTEM'S 'THE LARRY
KING SHOW': INTERVIEW WITH DAN GOLDIN
P93-10249 05

TELEVISION TRANSMISSION

NASA TO COMMERCIALIZE REMOTE-CONTROL
TECHNOLOGY
[NASA RELEASE-93-100] P93-10101 06

TENNESSEE UNIV., TULLAHOMA

NASA MODIFIES FUNDING SUPPORT FOR CENTERS
FOR COMMERCIAL DEVELOPMENT
[NASA RELEASE-93-225] P93-10226 06

TENNESSEE VALLEY AUTHORITY

YELLOW CREEK FACILITIES TARGETED FOR
SHUTTLE NOZZLE WORK
[NASA RELEASE-93-215] P93-10216 06

TERMINAL AREA PRODUCTIVITY PROGRAM

NASA/FAA RESEARCH AIMS AT MORE EFFICIENT
AIRSPACE OPERATIONS
[NASA RELEASE-93-172] P93-10173 06

TERMINAL RADAR APPROACH CONTROL /TRACON/

NASA/FAA RESEARCH AIMS AT MORE EFFICIENT
AIRSPACE OPERATIONS
[NASA RELEASE-93-172] P93-10173 06

TEST FACILITIES

SA ICING RESEARCH TUNNEL /LERC/
NASA AND RUSSIA SIGN AERONAUTICS
AGREEMENT IN MOSCOW
[NASA RELEASE-93-221] P93-10222 06

TESTING METHODS AND TECHNIQUES

NASA AND SUPRA MEDICAL CORP. TO DEVELOP
ULTRASOUND DETECTOR
[NASA RELEASE-93-125] P93-10126 06

HUBBLE INSTRUMENT MAY RECEIVE FURTHER
TESTING
[NASA RELEASE-93-169] P93-10170 06

TESTS

S AIRCRAFT TESTS
S ENGINE TESTS
S FLIGHT TESTS
S NONDESTRUCTIVE TESTS
S VIBRATION TESTS

TEXAS MEDICAL CENTER, INC., HOUSTON

PRESS CONFERENCE, JOHNSON SPACE CENTER,
HOUSTON, TEXAS P93-10239 05

TEXAS SOUTHERN UNIV., HOUSTON

MINORITY STUDENTS APPRENTICE ON SPACE
RESEARCH
[NASA RELEASE-93-116] P93-10117 06

TEXAS UNIV.

SHUTTLE TILE MATERIAL MAY HELP IN BONE
TRANSPLANTS
[NASA RELEASE-93-102] P93-10103 06

NASA BOOSTS HYPERSONIC RESEARCH WITH
UNIVERSITY GRANTS
[NASA RELEASE-93-152] P93-10153 06

DIRECTOR OF AMES TECHNOLOGY
COMMERCIALIZATION CENTER NAMED
[NASA RELEASE-93-185] P93-10186 06

TEXAS UNIV., AUSTIN

NASA FUNDS EXPERIMENT TO HELP
COMMERCIALIZE TECHNOLOGY
[NASA RELEASE-93-37] P93-10038 06

ARCHITECT OF NASA TECHNOLOGY INCUBATORS
TO RECEIVE AWARD
[NASA RELEASE-93-176] P93-10177 06

TEXAS UNIV., DALLAS

SA SOUTHWESTERN MEDICAL CENTER, DALLAS,
TX

NASA SELECTS CENTER FOR LIFE SCIENCES
RESEARCH
[NASA RELEASE-93-40] P93-10041 06

NASA SELECTS UPPER ATMOSPHERE
INVESTIGATORS
[NASA RELEASE-93-123] P93-10124 06

TEXAS UNIV., HOUSTON

NASA PROGRAM TO HELP VICTIMS OF RUSSIAN
EMERGENCY
[NASA RELEASE-93-183] P93-10184 06

THERMAL ANALYSIS

NASA-RUSSIAN MISSION EXPLORES KAMCHATKAN
VOLCANOES
[NASA RELEASE-93-198] P93-10199 06

THERMAL PROTECTION SYSTEM

SHUTTLE TILE MATERIAL MAY HELP IN BONE
TRANSPLANTS
[NASA RELEASE-93-102] P93-10103 06

THERMOSPHERE

NASA SELECTS UPPER ATMOSPHERE
INVESTIGATORS
[NASA RELEASE-93-123] P93-10124 06

THIN FILMS

PRIME AND BACKUP COSMONAUTS NAMED FOR
SHUTTLE STS-60 MISSION
[NASA RELEASE-93-61] P93-10062 06

THIOKOL CORP.

CONSORT 6 LAUNCH DATE SET
[NASA RELEASE-93-22] P93-10023 06

YELLOW CREEK FACILITIES TARGETED FOR
SHUTTLE NOZZLE WORK
[NASA RELEASE-93-215] P93-10216 06

THRUST POWER

S PROPULSION

THRUST VECTOR CONTROL

NASA F-15 BEING READIED FOR ADVANCED
MANEUVERING FLIGHT
[NASA RELEASE-93-115] P93-10116 06

THRUSTORS

COMPTON GAMMA-RAY OBSERVATORY TO GET
ORBIT BOOST
[NASA RELEASE-93-179] P93-10180 06

NASA SUCCEEDS WITH GAMMA-RAY
OBSERVATORY REBOOST
[NASA RELEASE-93-224] P93-10225 06

THUNDERSTORMS

NASA RESEARCHERS RECORD UNUSUAL FLASHES
IN UPPER ATMOSPHERE
[NASA RELEASE-93-167] P93-10168 06

TILES

SHUTTLE TILE MATERIAL MAY HELP IN BONE
TRANSPLANTS
[NASA RELEASE-93-102] P93-10103 06

TITANIUM

GAMMA-RAY OBSERVATORY PRODUCES THREE
MAJOR DISCOVERIES
[NASA RELEASE-93-182] P93-10183 06

TITANIUM ALLOYS

NASA AWARDS HIGH-SPEED AIR TRANSPORT
MATERIALS STUDY CONTRACTS
[NASA RELEASE-93-124] P93-10125 06

TOPEX /OCEAN TOPOGRAPHY EXPERIMENT/

TOPEX POSEIDON MAPS PRECISE GLOBAL SEA
LEVEL
[NASA RELEASE-93-122] P93-10123 06

TOPEX/POSEIDON MISSION

SCIENTISTS FORESEE STRENGTHENING EL NINO
EVENT
[NASA RELEASE-93-39] P93-10040 06

TOPEX POSEIDON MAPS PRECISE GLOBAL SEA
LEVEL
[NASA RELEASE-93-122] P93-10123 06

TOPEX/POSEIDON DATA CONFIRMS EL NINO
PREDICTIONS
[NASA RELEASE-93-205] P93-10206 06

TOPOGRAPHY EXPERIMENT FOR OCEAN RESEARCH

S TOPEX /OCEAN TOPOGRAPHY EXPERIMENT/

TOTAL OZONE MAPPING SPECTROMETER

1992 ANTARCTIC OZONE DEPLETION AS SEVERE
AS ANY PREVIOUS YEAR
[NASA RELEASE-93-13] P93-10014 06

1992-93 GLOBAL OZONE LEVELS LOWER THAN ANY
PREVIOUS YEAR
[NASA RELEASE-93-74] P93-10075 06

1993 ANTARCTIC OZONE HOLE REACHES RECORD
LOWS
[NASA RELEASE-93-190] P93-10191 06

TOWARDS OTHER PLANETARY SYSTEMS

NASA USES NEW METHOD TO DETECT NEW STARS
AND PLANETS
[NASA RELEASE-93-106] P93-10107 06

TOXIC MATERIALS

LEWIS SPACE RESEARCH SPAWNS WATER
PURIFICATION SYSTEM
[NASA RELEASE-93-86] P93-10087 06

NASA TO COMMERCIALIZE REMOTE-CONTROL
TECHNOLOGY
[NASA RELEASE-93-100] P93-10101 06

TPS

S THERMAL PROTECTION SYSTEM

TRACE /SATELLITE/

S TRANSITIONAL REGION AND CORONAL
EXPLORER

TRACKING AND DATA ACQUISITION

SA DEEP SPACE NETWORK
SA GROUND STATIONS
SA RADAR

FLIGHT TESTS PROVE SIMPLER SATELLITE-GUIDED
AUTOLAND METHOD
[NASA RELEASE-93-165] P93-10166 06

TRACKING AND DATA RELAY SATELLITE SYSTEM

FIRST 1993 SHUTTLE MISSION DEMONSTRATES
UNIQUE CAPABILITIES
[NASA RELEASE-93-4] P93-10004 06

NASA GROUND TERMINALS RECEIVE NATIVE
AMERICAN NAMES
[NASA RELEASE-93-83] P93-10084 06

TRACKING AND DATA RELAY SATELLITES

S TDR SATELLITES

TRACKING STATIONS

S GROUND STATIONS

TRACON

S TERMINAL RADAR APPROACH CONTROL
/TRACON/

TRANSFER ORBIT STAGE

NASA BOARD TO INVESTIGATE STS-51 HARDWARE
PROBLEM
[NASA RELEASE-93-184] P93-10185 06

TRANSFER ORBITS

NASA SUCCEEDS WITH GAMMA-RAY
OBSERVATORY REBOOST
[NASA RELEASE-93-224] P93-10225 06

TRANSITIONAL REGION AND CORONAL EXPLORER

NASA SELECTS SECOND SET OF SMALL EXPLORER
MISSIONS
[NASA RELEASE-93-168] P93-10169 06

TRANSMISSION

S TELEVISION TRANSMISSION

TRANSMISSION LOSS

CONTROLLERS LOSE CONTACT WITH NOAA-13
SATELLITE
[NASA RELEASE-93-151] P93-10152 06

NASA NAMES HEAD OF MARS OBSERVER
INVESTIGATION BOARD
[NASA RELEASE-93-153] P93-10154 06

TRANSPONDERS

SUBJECT INDEX

MARS OBSERVER INVESTIGATION BOARD
MEMBERS NAMED
[NASA RELEASE-93-159] P93-10160 06

TRANSPONDERS

TDRSS C-BAND AGREEMENT RESTRUCTURED
[NASA RELEASE-93-126] P93-10127 06

TRANSPORT AIRCRAFT

SA SUPERSONIC TRANSPORT
NASA, LEARJET JOIN TO CREATE NEW BUSINESS
JET TECHNOLOGIES
[NASA RELEASE-93-46] P93-10047 06
NASA TESTING NEW, POWERFUL DUCTED FANS
ENGINE FOR CIVIL JETS
[NASA RELEASE-93-103] P93-10104 06
NASA STARTS PHASE II OF SUPERSONIC AIRLINER
EFFORT
[NASA RELEASE-93-202] P93-10203 06
NASA BUDGET BRIEFING; NASA HEADQUARTERS,
WASHINGTON, DC P93-10234 05

TRANSPORTATION

S CIVIL AVIATION
S COMMERCIAL AVIATION
S RAIL TRANSPORTATION

TRITON

NITROGEN ICE DISCOVERED ON PLUTO
[NASA RELEASE-93-142] P93-10143 06

TROPICAL REGIONS

S AMAZON BASIN, BRAZIL
S RAIN FORESTS

TROV

S REMOTELY OPERATED VEHICLES

TRW SPACE & ELECTRONICS GROUP, CALIF.

NASA TDRSS NETWORK MARKS 10 YEARS OF
OPERATION
[NASA RELEASE-93-60] P93-10061 06

TRW, INC.

PIONEER CELEBRATES 10 YEARS BEYOND THE
KNOWN SOLAR PLANETS
[NASA RELEASE-93-110] P93-10111 06

TUMORS

NASA AND SUPRA MEDICAL CORP. TO DEVELOP
ULTRASOUND DETECTOR
[NASA RELEASE-93-125] P93-10126 06

TURBINE ENGINES

S DUCTED FAN ENGINES
S F404 ENGINE
S JET ENGINES

TURBOFAN ENGINE

S F404 ENGINE

TURBULENCE

NASA AND RUSSIA SIGN AERONAUTICS
AGREEMENT IN MOSCOW
[NASA RELEASE-93-221] P93-10222 06

TURBULENCE PREDICTION SYSTEMS, BOULDER, CO
NEW WINDSHEAR SENSORS A
GOVERNMENT-INDUSTRY 'SUCCESS STORY'
[NASA RELEASE-93-170] P93-10171 06

U

U.S. INTERNATIONAL DEVELOPMENT AGENCY

NASA HELPS PROVIDE FAMINE EARLY WARNING
FOR AFRICA
[NASA RELEASE-93-213] P93-10214 06

U.S. SPACE FOUNDATION

S UNITED STATES SPACE FOUNDATION

ULTRASONICS

NASA AND SUPRA MEDICAL CORP. TO DEVELOP
ULTRASOUND DETECTOR
[NASA RELEASE-93-125] P93-10126 06

ULTRAVIOLET ASTRONOMY

SCIENTISTS REVEAL NATURE OF EXPLODING, RED
SUPERGIANT STAR
[NASA RELEASE-93-63] P93-10064 06
NASA SR-71 NOW A FLYING OBSERVATORY
[NASA RELEASE-93-71] P93-10072 06
NEW DISCOVERIES BY NASA'S EUV EXPLORER
PRESENTED
[NASA RELEASE-93-105] P93-10106 06

NASA AND GERMAN SPACE AGENCY SIGN SPACE
AGREEMENT
[NASA RELEASE-93-129] P93-10130 06

HUBBLE IDENTIFIES A SOURCE OF MYSTERIOUS
X-RAY BURSTS
[NASA RELEASE-93-156] P93-10157 06

ULTRAVIOLET RADIATION

SA EXTREME UV RADIATION
EVIDENCE POINTS TO OCEANS, LIGHTNING ON
EARLY VENUS
[NASA RELEASE-93-51] P93-10052 06
SCIENTISTS REVEAL NATURE OF EXPLODING, RED
SUPERGIANT STAR
[NASA RELEASE-93-63] P93-10064 06
NASA RESEARCHERS RECORD UNUSUAL FLASHES
IN UPPER ATMOSPHERE
[NASA RELEASE-93-167] P93-10168 06

ULTRAVIOLET SPECTROMETER

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

ULYSSES MISSION

THREE SPACECRAFT TO CONDUCT 3-WEEK
GRAVITATIONAL WAVE SEARCH
[NASA RELEASE-93-48] P93-10049 06
ULYSSES REACHES UNEXPLORED REGIONS OF
SUN
[NASA RELEASE-93-217] P93-10218 06

UNCONSCIOUSNESS

S BLACKOUT /PHYSIOLOGY/

UNDERWATER TESTS

ANTARCTIC TO BECOME LABORATORY FOR
FUTURE MARS MISSIONS
[NASA RELEASE-93-178] P93-10179 06

UNIFORMED SERV. UNIV. OF THE HEALTH SCI.

ORGANIZATIONAL CHANGES TO ENHANCE
PROGRAMS, RELATIONS
[NASA RELEASE-93-44] P93-10045 06
NASA PROGRAM TO HELP VICTIMS OF RUSSIAN
EMERGENCY
[NASA RELEASE-93-183] P93-10184 06

UNITED AIR LINES, INC.

COCKPIT WEATHER SYSTEM MAY SAVE AIRLINES
\$6 MILLION PER YEAR
[NASA RELEASE-93-194] P93-10195 06

UNITED STATES SPACE FOUNDATION

NASA SPACE SUIT AND MEDICAL TECHNOLOGIES
HONORED
[NASA RELEASE-93-69] P93-10070 06

UNITED TECHNOLOGIES CORP.

INDUSTRY TESTS NASA COMPUTER PROGRAMS
FOR EFFICIENT DESIGNING
[NASA RELEASE-93-90] P93-10091 06
MINORITY CONTRACTORS OF THE YEAR AWARDS
ANNOUNCED
[NASA RELEASE-93-177] P93-10178 06

UNITED TECHNOLOGIES CORP., CONN.

NASA TESTING NEW, POWERFUL DUCTED FANS
ENGINE FOR CIVIL JETS
[NASA RELEASE-93-103] P93-10104 06

UNIVERSE

NASA ENDS COSMIC BACKGROUND EXPLORER
SCIENCE OPERATIONS
[NASA RELEASE-93-228] P93-10229 06

UNIVERSITIES

NASA SELECTS 11 DISCOVERY MISSION CONCEPTS
FOR STUDY
[NASA RELEASE-93-27] P93-10028 06

UNIVERSITIES SPACE RESEARCH ASSOC.

SUPERNOVA MAY HAVE CAUSED HUGE VOID
AROUND SOLAR SYSTEM
[NASA RELEASE-93-36] P93-10037 06

UNIVERSITIES SPACE RESEARCH ASSOC., MD.

NASA SATELLITE DATA SHAKE THEORIES ON
GAMMA-RAY BURSTS
[NASA RELEASE-93-72] P93-10073 06
1992-93 GLOBAL OZONE LEVELS LOWER THAN ANY
PREVIOUS YEAR
[NASA RELEASE-93-74] P93-10075 06

UNIVERSITY PROGRAMS

SA NATIONAL SPACE GRANT COLL./FELLOWSHIP
PRG.

UNIVERSITIES FLY OZONE RESEARCH BALLOON
FROM TEXAS TO FLA.
[NASA RELEASE-93-8] P93-10009 06

SOLICITATION ISSUED FOR TECHNOLOGY
REINVESTMENT PROPOSALS
[NASA RELEASE-93-85] P93-10086 06

MINORITY STUDENTS APPRENTICE ON SPACE
RESEARCH
[NASA RELEASE-93-116] P93-10117 06

NASA BOOSTS HYPERSONIC RESEARCH WITH
UNIVERSITY GRANTS
[NASA RELEASE-93-152] P93-10153 06

NASA SELECTS FLIGHT TECHNOLOGY
PROPOSALS
[NASA RELEASE-93-186] P93-10187 06

NASA TAPS 20 SCHOOLS FOR AERONAUTICS
ENGINEERING GRANTS
[NASA RELEASE-93-210] P93-10211 06

NASA EXCEEDS MINORITY SMALL BUSINESS GOAL
AHEAD OF SCHEDULE
[NASA RELEASE-93-214] P93-10215 06

NASA MODIFIES FUNDING SUPPORT FOR CENTERS
FOR COMMERCIAL DEVELOPMENT
[NASA RELEASE-93-225] P93-10226 06

UNMANNED SPACE FLIGHT PROGRAM

S VOYAGER PROJECT

UPPER ATMOSPHERE

NASA SELECTS UPPER ATMOSPHERE
INVESTIGATORS
[NASA RELEASE-93-123] P93-10124 06
NASA RESEARCHERS RECORD UNUSUAL FLASHES
IN UPPER ATMOSPHERE
[NASA RELEASE-93-167] P93-10168 06

UPPER ATMOSPHERE RESEARCH SATELLITE

OZONE DESTROYING CHLORINE EXISTED LONGER
IN 1992-93 WINTER
[NASA RELEASE-93-68] P93-10069 06

NASA AND GERMAN SPACE AGENCY SIGN SPACE
AGREEMENT
[NASA RELEASE-93-129] P93-10130 06

USAIR AIRLINES

COCKPIT WEATHER SYSTEM MAY SAVE AIRLINES
\$6 MILLION PER YEAR
[NASA RELEASE-93-194] P93-10195 06

USML-1

S MICROGRAVITY LABORATORY-1 /USML-1/

USRA

S UNIVERSITIES SPACE RESEARCH ASSOC.

UTAH STATE UNIV.

UNIVERSITIES FLY OZONE RESEARCH BALLOON
FROM TEXAS TO FLA.
[NASA RELEASE-93-8] P93-10009 06

UTAH UNIV., SALT LAKE CITY

NASA PROGRAM TO HELP VICTIMS OF RUSSIAN
EMERGENCY
[NASA RELEASE-93-183] P93-10184 06

V

VACCINES

NASA JOINS FORCES WITH INDUSTRY IN AIDS
RESEARCH
[NASA RELEASE-93-88] P93-10089 06

VARIABLE STARS

HUBBLE CLOSING IN ON AGE OF THE UNIVERSE
[NASA RELEASE-93-108] P93-10109 06

VEGETATION

NASA HELPS PROVIDE FAMINE EARLY WARNING
FOR AFRICA
[NASA RELEASE-93-213] P93-10214 06

VEHICLES

S LANDING VEHICLES
S ROVING VEHICLES

VENUS /PLANET/

EVIDENCE POINTS TO OCEANS, LIGHTNING ON
EARLY VENUS
[NASA RELEASE-93-51] P93-10052 06

MAGELLAN AEROBRAKING, GRAVITY STUDIES
UNDERWAY
[NASA RELEASE-93-98] P93-10099 06

MAGELLAN AEROBRAKING AT VENUS A SUCCESS
[NASA RELEASE-93-144] P93-10145 06

VENUS ATMOSPHERE

EVIDENCE POINTS TO OCEANS, LIGHTNING ON
EARLY VENUS
[NASA RELEASE-93-51] P93-10052 06

MAGELLAN TO TEST AEROBRAKING MANEUVER IN
VENUS ATMOSPHERE
[NASA RELEASE-93-89] P93-10090 06

MAGELLAN AEROBRAKING AT VENUS A SUCCESS
[NASA RELEASE-93-144] P93-10145 06

VENUS EXPLORATION
S MAGELLAN MISSION

VENUS RADAR MAPPER
S MAGELLAN MISSION

VENUS SURFACE

EVIDENCE POINTS TO OCEANS, LIGHTNING ON
EARLY VENUS
[NASA RELEASE-93-51] P93-10052 06

MAGELLAN AEROBRAKING, GRAVITY STUDIES
UNDERWAY
[NASA RELEASE-93-98] P93-10099 06

VERICODE SYSTEMS
NASA-INDUSTRY EFFORT BOOSTS AUTOMATED
PARTS ID SYSTEM
[NASA RELEASE-93-218] P93-10219 06

VESTIBULAR SYSTEM
NASA AND NIDCD SELECT VESTIBULAR RESEARCH
CENTER
[NASA RELEASE-93-111] P93-10112 06

STS-58 SECOND SPACELAB MISSION DEDICATED
TO LIFE SCIENCES P93-10136 06

VIBRATION TESTS
NASA SELECTS FLIGHT TECHNOLOGY
PROPOSALS
[NASA RELEASE-93-186] P93-10187 06

VIDEO CONFERENCES
S TELECONFERENCING

VIDEO EQUIPMENT
NASA AMES TO DRIVE RUSSIAN ROBOT VIA
SATELLITE
[NASA RELEASE-93-84] P93-10085 06

NASA RESEARCHERS RECORD UNUSUAL FLASHES
IN UPPER ATMOSPHERE
[NASA RELEASE-93-167] P93-10168 06

NASA PROGRAM TO HELP VICTIMS OF RUSSIAN
EMERGENCY
[NASA RELEASE-93-183] P93-10184 06

VIDEO PRESENTATIONS
NASA TO FEATURE VIDEOWALL AT PARIS AIR
SHOW
[NASA RELEASE-93-92] P93-10093 06

VIRTUAL REALITY
NASA/OHIO AEROSPACE INSTITUTE TO HOST
CYBERSPACE CONFERENCE
[NASA RELEASE-93-50] P93-10051 06

NASA AMES TO DRIVE RUSSIAN ROBOT VIA
SATELLITE
[NASA RELEASE-93-84] P93-10085 06

ANTARCTIC TO BECOME LABORATORY FOR
FUTURE MARS MISSIONS
[NASA RELEASE-93-178] P93-10179 06

TECHNOLOGY 2003 TO HIGHLIGHT NEW
TECHNOLOGICAL DISCOVERIES
[NASA RELEASE-93-212] P93-10213 06

VOLCANIC ERUPTIONS
MT. PINATUBO ERUPTION CAUSES TEMPORARY
COOLING OF EARTH
[NASA RELEASE-93-41] P93-10042 06

VOLCANOES
SA MOUNT PINATUBO, PHILIPPINES

MT. PINATUBO ERUPTION CAUSES TEMPORARY
COOLING OF EARTH
[NASA RELEASE-93-41] P93-10042 06

DANTE ROBOT TO EXPLORE ACTIVE ALASKA
VOLCANO IN SPRING
[NASA RELEASE-93-195] P93-10196 06

NASA-RUSSIAN MISSION EXPLORES KAMCHATKAN
VOLCANOES
[NASA RELEASE-93-198] P93-10199 06

VOLCANOLOGY

MT. PINATUBO ERUPTION CAUSES TEMPORARY
COOLING OF EARTH
[NASA RELEASE-93-41] P93-10042 06

MAGELLAN AEROBRAKING, GRAVITY STUDIES
UNDERWAY
[NASA RELEASE-93-98] P93-10099 06

EVIDENCE FOR SOLID WATER FOUND ON
JUPITER'S MOON IO
[NASA RELEASE-93-107] P93-10108 06

NASA-RUSSIAN MISSION EXPLORES KAMCHATKAN
VOLCANOES
[NASA RELEASE-93-198] P93-10199 06

VORTICES
NASA/FAA RESEARCH AIMS AT MORE EFFICIENT
AIRSPACE OPERATIONS
[NASA RELEASE-93-172] P93-10173 06

VOUGHT CORP.
INDUSTRY TESTS NASA COMPUTER PROGRAMS
FOR EFFICIENT DESIGNING
[NASA RELEASE-93-90] P93-10091 06

VOYAGER PROJECT
VOYAGER SPACECRAFT FIND CLUE TO ANOTHER
SOLAR SYSTEM MYSTERY
[NASA RELEASE-93-99] P93-10100 06

VOYAGER SPACECRAFT
VOYAGER SPACECRAFT FIND CLUE TO ANOTHER
SOLAR SYSTEM MYSTERY
[NASA RELEASE-93-99] P93-10100 06

W

WAKE VORTEX
S VORTICES

WAKES
NASA/FAA RESEARCH AIMS AT MORE EFFICIENT
AIRSPACE OPERATIONS
[NASA RELEASE-93-172] P93-10173 06

WALLOPS FLIGHT FACILITY, VA.
FLIGHT TESTS PROVE SIMPLER SATELLITE-GUIDED
AUTOLAND METHOD
[NASA RELEASE-93-165] P93-10166 06

NASA ENDS COSMIC BACKGROUND EXPLORER
SCIENCE OPERATIONS
[NASA RELEASE-93-228] P93-10229 06

WARNING SYSTEMS
SA FAMINE EARLY WARNING SYSTEMS

NEW WINDSHEAR SENSORS A
GOVERNMENT-INDUSTRY 'SUCCESS STORY'
[NASA RELEASE-93-170] P93-10171 06

NASA, FAA CONSIDER REVISED WINDSHEAR
PILOTING PROCEDURES
[NASA RELEASE-93-171] P93-10172 06

NASA HELPS PROVIDE FAMINE EARLY WARNING
FOR AFRICA
[NASA RELEASE-93-213] P93-10214 06

WASTE WATER
LEWIS SPACE RESEARCH SPAWNS WATER
PURIFICATION SYSTEM
[NASA RELEASE-93-86] P93-10087 06

WATER
SA WASTE WATER

SA WATER RESOURCES

EVIDENCE POINTS TO OCEANS, LIGHTNING ON
EARLY VENUS
[NASA RELEASE-93-51] P93-10052 06

EVIDENCE FOR SOLID WATER FOUND ON
JUPITER'S MOON IO
[NASA RELEASE-93-107] P93-10108 06

WATER RESOURCES
EVIDENCE POINTS TO OCEANS, LIGHTNING ON
EARLY VENUS
[NASA RELEASE-93-51] P93-10052 06

WATER SPLITTING
EVIDENCE POINTS TO OCEANS, LIGHTNING ON
EARLY VENUS
[NASA RELEASE-93-51] P93-10052 06

WATER TREATMENT
LEWIS SPACE RESEARCH SPAWNS WATER
PURIFICATION SYSTEM
[NASA RELEASE-93-86] P93-10087 06

WAVES

SA KELVIN WAVES

SCIENTISTS FORESEE STRENGTHENING EL NINO
EVENT
[NASA RELEASE-93-39] P93-10040 06

WEATHER DATA
COCKPIT WEATHER SYSTEM MAY SAVE AIRLINES
\$6 MILLION PER YEAR
[NASA RELEASE-93-194] P93-10195 06

WEATHER FORECASTING
NASA/FAA RESEARCH AIMS AT MORE EFFICIENT
AIRSPACE OPERATIONS
[NASA RELEASE-93-172] P93-10173 06

WEIGHT REDUCTION
NASA, LEARJET JOIN TO CREATE NEW BUSINESS
JET TECHNOLOGIES
[NASA RELEASE-93-46] P93-10047 06

NASA FLIES FIBER OPTICS ON AIRCRAFT CONTROL
SYSTEMS TEST
[NASA RELEASE-93-199] P93-10200 06

WEST VIRGINIA HIGH TECH CONSORTIUM
WEST VIRGINIA HIGH TECH CONSORTIUM;
FAIRMONT, WEST VIRGINIA P93-10247 05

WESTINGHOUSE, INC.
KSC BASE OPERATIONS CONTRACT AWARD
PROTESTS SETTLED
[NASA RELEASE-93-18] P93-10019 06

WESTINGHOUSE, INC., BALTIMORE, MD.
NEW WINDSHEAR SENSORS A
GOVERNMENT-INDUSTRY 'SUCCESS STORY'
[NASA RELEASE-93-170] P93-10171 06

WHEELING COLL., WV
NATIONAL TECHNOLOGY AND EDUCATION
INITIATIVES LAUNCHED
[NASA RELEASE-93-158] P93-10159 06

WHITE DWARF STARS
NEW DISCOVERIES BY NASA'S EUV EXPLORER
PRESENTED
[NASA RELEASE-93-105] P93-10106 06

HUBBLE IDENTIFIES A SOURCE OF MYSTERIOUS
X-RAY BURSTS
[NASA RELEASE-93-156] P93-10157 06

HUBBLE SEES GAS SHELL AROUND NOVA CYGNI
1992
[NASA RELEASE-93-174] P93-10175 06

MYSTERY OF 'FASTEST FLICKERING' GALAXY
SOLVED
[NASA RELEASE-93-192] P93-10193 06

WHITE SANDS MISSILE RANGE, N. MEX.
CONSORT 6 LAUNCH DATE SET
[NASA RELEASE-93-22] P93-10023 06

WHITE SANDS TEST FACILITY, N. MEX.
SPACE STATION FREEDOM PROPULSION FIRING
TESTS UNDERWAY
[NASA RELEASE-93-7] P93-10008 06

WIDE FIELD CAMERAS
SA WIDE FIELD/PLANETARY CAMERA 2

HUBBLE DISCOVERS A DOUBLE NUCLEUS IN CORE
OF ACTIVE GALAXY
[NASA RELEASE-93-6] P93-10007 06

HUBBLE CLOSING IN ON AGE OF THE UNIVERSE
[NASA RELEASE-93-108] P93-10109 06

HUBBLE FINDS A DOUBLE NUCLEUS IN THE
ANDROMEDA GALAXY
[NASA RELEASE-93-133] P93-10134 06

WIDE FIELD/PLANETARY CAMERA 2
HUBBLE INSTRUMENT MAY RECEIVE FURTHER
TESTING
[NASA RELEASE-93-169] P93-10170 06

WIDE-FIELD INFRARED EXPLORER
NASA SELECTS SECOND SET OF SMALL EXPLORER
MISSIONS
[NASA RELEASE-93-168] P93-10169 06

WILCOX ELECTRIC CO., INC., KANSAS CITY, MO
FLIGHT TESTS PROVE SIMPLER SATELLITE-GUIDED
AUTOLAND METHOD
[NASA RELEASE-93-165] P93-10166 06

WIND /METEOROLOGY/
UNIVERSITIES FLY OZONE RESEARCH BALLOON
FROM TEXAS TO FLA.
[NASA RELEASE-93-8] P93-10009 06

WIND SHEAR

NEW WINDSHEAR SENSORS A
GOVERNMENT-INDUSTRY 'SUCCESS STORY'
[NASA RELEASE-93-170] P93-10171 06
NASA, FAA CONSIDER REVISED WINDSHEAR
PILOTING PROCEDURES
[NASA RELEASE-93-171] P93-10172 06

WIND TUNNEL MODELS

NASA, LEARJET JOIN TO CREATE NEW BUSINESS
JET TECHNOLOGIES
[NASA RELEASE-93-46] P93-10047 06
NASA TESTS HELICOPTER MODEL IN ICING
CONDITIONS
[NASA RELEASE-93-147] P93-10148 06

WIND TUNNEL TESTS

NASA, LEARJET JOIN TO CREATE NEW BUSINESS
JET TECHNOLOGIES
[NASA RELEASE-93-46] P93-10047 06
NASA TESTING NEW, POWERFUL DUCTED FANS
ENGINE FOR CIVIL JETS
[NASA RELEASE-93-103] P93-10104 06
NASA TESTS HELICOPTER MODEL IN ICING
CONDITIONS
[NASA RELEASE-93-147] P93-10148 06

WIND TUNNELS

WORLD'S LARGEST WIND TUNNEL WILL BE
WORLD'S QUIETEST
[NASA RELEASE-93-81] P93-10082 06
TECHNOLOGY 2003 TO HIGHLIGHT NEW
TECHNOLOGICAL DISCOVERIES
[NASA RELEASE-93-212] P93-10213 06

WINGS

S AIRCRAFT WINGS
S SWEEP WINGS

WINZEN INTERNATIONAL INC., TEXAS

UNIVERSITIES FLY OZONE RESEARCH BALLOON
FROM TEXAS TO FLA.
[NASA RELEASE-93-8] P93-10009 06

WIRE /SATELLITE/

S WIDE-FIELD INFRARED EXPLORER

WISCONSIN UNIV., MADISON

HUBBLE CLOSING IN ON AGE OF THE UNIVERSE
[NASA RELEASE-93-108] P93-10109 06

WOMEN-OWNED BUSINESSES

NASA CO-SPONSORS HIGH-TECH SMALL BUSINESS
CONFERENCE
[NASA RELEASE-93-29] P93-10030 06
NASA SPONSORING SMALL BUSINESS
CONFERENCE ON DEC. 1-2
[NASA RELEASE-93-201] P93-10202 06
NASA EXCEEDS MINORITY SMALL BUSINESS GOAL
AHEAD OF SCHEDULE
[NASA RELEASE-93-214] P93-10215 06
REMARKS BY NASA ADMINISTRATOR DAN GOLDIN
BEFORE THE JPL HIGH-TECH SMALL BUSINESS
DEVELOPMENT PROCUREMENT CONFERENCE; LOS
ANGELES, CALIFORNIA P93-10231 05

WORLD METEOROLOGICAL ORGANIZATION

OZONE DESTROYING CHLORINE EXISTED LONGER
IN 1992-93 WINTER
[NASA RELEASE-93-68] P93-10069 06

X

X-RAY ANALYSIS

NASA JOINS FORCES WITH INDUSTRY IN AIDS
RESEARCH
[NASA RELEASE-93-88] P93-10089 06
NASA ADAPTING UNIQUE X-RAY SYSTEM TO
INSPECT AIRCRAFT
[NASA RELEASE-93-137] P93-10138 06

X-RAY ASTRONOMY

MYSTERIOUS CONCENTRATION OF DARK MATTER
DISCOVERED
[NASA RELEASE-93-1] P93-10001 06
FIRST 1993 SHUTTLE MISSION DEMONSTRATES
UNIQUE CAPABILITIES
[NASA RELEASE-93-4] P93-10004 06
ASTRO-D MISSION TO LAUNCH TONIGHT IN
JAPAN
[NASA RELEASE-93-28] P93-10029 06

SUPERNOVA MAY HAVE CAUSED HUGE VOID
AROUND SOLAR SYSTEM
[NASA RELEASE-93-36] P93-10037 06

COMPTON OBSERVATORY DISCOVERS INTENSE,
NEW X-RAY PULSAR
[NASA RELEASE-93-141] P93-10142 06

HUBBLE IDENTIFIES A SOURCE OF MYSTERIOUS
X-RAY BURSTS
[NASA RELEASE-93-156] P93-10157 06

X-RAY BURSTS

HUBBLE IDENTIFIES A SOURCE OF MYSTERIOUS
X-RAY BURSTS
[NASA RELEASE-93-156] P93-10157 06

X-RAY SPECTROMETER

FIRST 1993 SHUTTLE MISSION DEMONSTRATES
UNIQUE CAPABILITIES
[NASA RELEASE-93-4] P93-10004 06
SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE-93-4A] P93-10005 06

X-RAY STARS

COMPTON OBSERVATORY DISCOVERS INTENSE,
NEW X-RAY PULSAR
[NASA RELEASE-93-141] P93-10142 06
HUBBLE IDENTIFIES A SOURCE OF MYSTERIOUS
X-RAY BURSTS
[NASA RELEASE-93-156] P93-10157 06
MYSTERY OF 'FASTEST FLICKERING' GALAXY
SOLVED
[NASA RELEASE-93-192] P93-10193 06

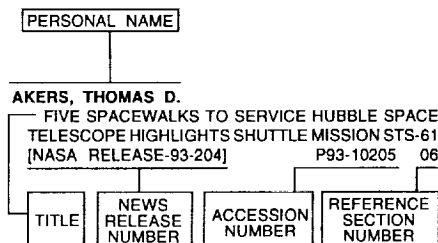
X-RAYS

HUBBLE IDENTIFIES A SOURCE OF MYSTERIOUS
X-RAY BURSTS
[NASA RELEASE-93-156] P93-10157 06
NASA RESEARCHERS RECORD UNUSUAL FLASHES
IN UPPER ATMOSPHERE
[NASA RELEASE-93-167] P93-10168 06

XENON

STS-62 AND STS-59 SPACE SHUTTLE CREW
ASSIGNMENTS ANNOUNCED
[NASA RELEASE-93-42] P93-10043 06

Typical Personal Names Index Listing



The title of the news release or speech appears under every name mentioned in each, whether or not the individual was an author or a speaker. In the case of a speech where the name refers to the actual speaker, this is indicated with a + to the left of the title. The accession number is located at the bottom right of the entry, followed by a two-digit number (05 or 06) identifying the index section where the complete citation appears. In the case of a news release, this number is included at the bottom left of the entry.

A

ABBASCHIAN, REZA

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57 SHUTTLE MISSION [NASA RELEASE-93-78] P93-10079 06

ABBE, BRIAN

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION [NASA RELEASE-93-121] P93-10122 06

ABBOT, KATHY

GOLDIN CALLS FOR IMPROVED TECHNOLOGY TRANSFER TO INDUSTRY [NASA RELEASE-93-9] P93-10010 06

ACOSTA, ROBERTO

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION [NASA RELEASE-93-121] P93-10122 06

ACTON, CHARLES

CLEMENTINE MISSION SCIENCE TEAM SELECTED [NASA RELEASE-93-66] P93-10067 06

ADAM, SUE

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57 SHUTTLE MISSION [NASA RELEASE-93-78] P93-10079 06

AKAKA, DANIEL K.

JEFF LAWRENCE APPOINTED TO HEAD LEGISLATIVE AFFAIRS FOR NASA [NASA RELEASE-93-70] P93-10071 06

AKBAY, ISMAIL

ARKANSAS, NASA SIGN TECHNOLOGY TRANSFER ACCORD [NASA RELEASE-93-138] P93-10139 06

AKER, THOMAS S.

NATIONAL TECHNOLOGY AND EDUCATION INITIATIVES LAUNCHED [NASA RELEASE-93-158] P93-10159 06

AKERS, THOMAS D.

FIVE SPACEWALKS TO SERVICE HUBBLE SPACE TELESCOPE HIGHLIGHTS SHUTTLE MISSION STS-61 [NASA RELEASE-93-204] P93-10205 06

HST SERVICING MISSION HIGHLIGHTS 1993 NASA ACCOMPLISHMENTS [NASA RELEASE-93-226] P93-10227 06

AKIN, DAVE L.

NASA SELECTS FLIGHT TECHNOLOGY PROPOSALS [NASA RELEASE-93-186] P93-10187 06

ALBAYYARI, JIHAD M.

NASA SELECTS FLIGHT TECHNOLOGY PROPOSALS [NASA RELEASE-93-186] P93-10187 06

ALBEE, ARDEN

NASA NAMES TEAM TO STUDY RETURN TRIP TO MARS [NASA RELEASE-93-157] P93-10158 06

ALBRITTON, DAN

AAAS TO HONOR NASA SCIENTIST FOR OZONE RESEARCH [NASA RELEASE-93-26] P93-10027 06

ALDRICH, ARNOLD

NASA PRESS CONFERENCE: SPACE STATION REDESIGN; NASA HEADQUARTERS BUILDING, WASHINGTON, DC P93-10233 05

ALDRICH, ARNOLD D.

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57 SHUTTLE MISSION [NASA RELEASE-93-78] P93-10079 06

SPACE STATION ORGANIZATION CHANGES ANNOUNCED [NASA RELEASE-93-136] P93-10137 06

NASA SPACE STATION DIRECTOR RICHARD KOHRS TO RETIRE [NASA RELEASE-93-160] P93-10161 06

ALEXANDER, JOSEPH

SECOND GERMAN SPACELAB MISSION IS SPACE SHUTTLE'S 54TH FLIGHT [NASA RELEASE-93-20] P93-10021 06

ALFORD, BOBBY

SPACE STATION REDESIGN ADVISORY MEMBERS NAMED [NASA RELEASE-93-59] P93-10060 06

ALFREY, CLARENCE P.

STS-58 SECOND SPACELAB MISSION DEDICATED TO LIFE SCIENCES P93-10136 06

ALLAMANDOLA, LOUIS

NASA SCIENTISTS SOLVE LONG-STANDING STELLAR MYSTERY [NASA RELEASE-93-25] P93-10026 06

DIAMONDS IN THE SKY CHALLENGE GALAXY EVOLUTION THEORIES [NASA RELEASE-93-58] P93-10059 06

EVIDENCE FOR SOLID WATER FOUND ON JUPITER'S MOON IO [NASA RELEASE-93-107] P93-10108 06

FROZEN MOLECULAR HYDROGEN DISCOVERED IN STELLAR NURSERY [NASA RELEASE-93-187] P93-10188 06

ALLEN, ANDREW M.

STS-62 AND STS-59 SPACE SHUTTLE CREW ASSIGNMENTS ANNOUNCED [NASA RELEASE-93-42] P93-10043 06

ALLEN, LINDA

NASA PRESS CONFERENCE: SPACE STATION REDESIGN; NASA HEADQUARTERS BUILDING, WASHINGTON, DC P93-10233 05

ALLISON, GARY B.

MALCOLM PETERSON APPOINTED NASA ACTING COMPTROLLER [NASA RELEASE-93-112] P93-10113 06

ALLMEN, JOHN

WORLD'S LARGEST WIND TUNNEL WILL BE WORLD'S QUIETEST [NASA RELEASE-93-81] P93-10082 06

ALTENKIRCH, ROBERT A.

SPACE SHUTTLE MISSION: STS-54 [NASA RELEASE-93-4A] P93-10005 06

AMBROSE, JAY H.

NASA SELECTS FLIGHT TECHNOLOGY PROPOSALS [NASA RELEASE-93-186] P93-10187 06

AMRINE, DAVID E.

TWENTY NATIONAL STUDENT WINNERS HONORED IN WASHINGTON [NASA RELEASE-93-175] P93-10176 06

ANDERSEN, DALE

ANTARCTIC TO BECOME LABORATORY FOR FUTURE MARS MISSIONS [NASA RELEASE-93-178] P93-10179 06

ANDERSON, DAVID

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION [NASA RELEASE-93-121] P93-10122 06

ANDERSON, JIM

NASA BUDGET BRIEFING; NASA HEADQUARTERS, WASHINGTON, DC P93-10234 05

ANDERSON, KARL

NASA INVENTION YIELDS BETTER, FASTER STRESS MEASUREMENTS [NASA RELEASE-93-2] P93-10002 06

ANDERSON, MARK

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57 SHUTTLE MISSION [NASA RELEASE-93-78] P93-10079 06

JPL TEAM DEVELOPS SPECIAL POLLUTION DETECTION GLASS [NASA RELEASE-93-209] P93-10210 06

ANSARI, RAFAT

CATARACT SUFFERERS COULD BENEFIT FROM SPACE TECHNOLOGY [NASA RELEASE-93-45] P93-10046 06

APT, JEROME

STS-62 AND STS-59 SPACE SHUTTLE CREW ASSIGNMENTS ANNOUNCED [NASA RELEASE-93-42] P93-10043 06

ARCHIMEDES

AIAA LUNCHEON: CRYSTAL CITY HYATT REGENCY HOTEL, CRYSTAL CITY, VIRGINIA P93-10235 05

ARMSTRONG, JOHN W.

THREE SPACECRAFT TO CONDUCT 3-WEEK GRAVITATIONAL WAVE SEARCH [NASA RELEASE-93-48] P93-10049 06

ARMSTRONG, JOSEPH

NASA SELECTS FLIGHT TECHNOLOGY PROPOSALS [NASA RELEASE-93-186] P93-10187 06

ARNAUD, CLAUDE D.

STS-58 SECOND SPACELAB MISSION DEDICATED TO LIFE SCIENCES P93-10136 06

ARNOLD, RAY J.

SPACE SHUTTLE MISSION: STS-54 [NASA RELEASE-93-4A] P93-10005 06

ASKER, JIM

NASA PRESS CONFERENCE: SPACE STATION REDESIGN; NASA HEADQUARTERS BUILDING, WASHINGTON, DC P93-10233 05

NASA BUDGET BRIEFING; NASA HEADQUARTERS, WASHINGTON, DC P93-10234 05

ASMAR, SAMI W.

THREE SPACECRAFT TO CONDUCT 3-WEEK
GRAVITATIONAL WAVE SEARCH
[NASA RELEASE-93-48] P93-10049 06

AUFDEMORTE, THOMAS

SHUTTLE TILE MATERIAL MAY HELP IN BONE
TRANSPLANTS
[NASA RELEASE-93-102] P93-10103 06

AUGUSTINE, NORMAN

NASA TO FEATURE VIDEOWALL AT PARIS AIR
SHOW
[NASA RELEASE-93-92] P93-10093 06

AULT, LEONARD

GOLDIN CALLS FOR IMPROVED TECHNOLOGY
TRANSFER TO INDUSTRY
[NASA RELEASE-93-9] P93-10010 06

AUSTIN, ANDREW

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

AYERS, T. G.

SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE-93-4A] P93-10005 06

B

BADWAR, GAUTAM D.

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

BAEZ, JOAN

NEW YORK TIMES INTERVIEW P93-10242 05

BAGIAN, JAMES P.

ASTRONAUT BAGIAN TAKES LEAVE OF ABSENCE
[NASA RELEASE-93-139] P93-10140 06

BAILEY, F. RON

FASTEST SUPERCOMPUTER CAN BOOST U.S.
AEROSPACE INDUSTRY
[NASA RELEASE-93-80] P93-10081 06

BAILEY, SHEILA

NASA/OHIO AEROSPACE INSTITUTE TO HOST
CYBERSPACE CONFERENCE
[NASA RELEASE-93-50] P93-10051 06

BAIRD, CHERYL L.

STUDENTS BEGIN NASA LIFE SCIENCES TRAINING
PROGRAM
[NASA RELEASE-93-117] P93-10118 06

BAIRD, RANDY

NASA PRESS CONFERENCE: SPACE STATION
REDESIGN; NASA HEADQUARTERS BUILDING,
WASHINGTON, DC P93-10233 05

BAKER, DANIEL

CLEMENTINE MISSION SCIENCE TEAM SELECTED
[NASA RELEASE-93-66] P93-10067 06

BALDWIN, KENNETH M.

SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE-93-4A] P93-10005 06
STS-58 SECOND SPACELAB MISSION DEDICATED
TO LIFE SCIENCES P93-10136 06

BALLARD, ROBERT H.

STS-56 MISSION CONTINUES NASA'S MISSION TO
PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06

BALOGH, ANDRE

ULYSSES REACHES UNEXPLORED REGIONS OF
SUN
[NASA RELEASE-93-217] P93-10218 06

BALTUCK, MIRIAM

NASA-RUSSIAN MISSION EXPLORES KAMCHATKAN
VOLCANOES
[NASA RELEASE-93-198] P93-10199 06

BANKS, BRUCE

NASA SELECTS FLIGHT TECHNOLOGY
PROPOSALS
[NASA RELEASE-93-186] P93-10187 06

BAR-NESS, Y.

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

BARCH, DON

ANTARCTIC TO BECOME LABORATORY FOR
FUTURE MARS MISSIONS
[NASA RELEASE-93-178] P93-10179 06

BARON, RICHARD

IO'S 'GHOST' DETECTED ON JUPITER
[NASA RELEASE-93-208] P93-10209 06

BARRETT, RICHARD T.

NASA ENGINEER RECEIVES TECHNOLOGY
TRANSFER AWARD
[NASA RELEASE-93-73] P93-10074 06

BARRY, EDWARD P., JR.

STS-56 MISSION CONTINUES NASA'S MISSION TO
PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06

BARRY, JAMES

ANTARCTIC TO BECOME LABORATORY FOR
FUTURE MARS MISSIONS
[NASA RELEASE-93-178] P93-10179 06

BARTHELME, NEAL

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

BARTHOLOMEW, M. J.

NITROGEN ICE DISCOVERED ON PLUTO
[NASA RELEASE-93-142] P93-10143 06

BATES, MATT

+ INTERVIEW WITH MATT BATES, INTERNATIONAL
AEROSPACE MACHINISTS UNION; ACR
HEADQUARTERS, WASHINGTON, DC P93-10245 05

BAUGHER, CHARLES

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

BEACH, H. LEE

NASA TO DEVELOP TECHNOLOGY FOR FUTURE
HIGH-SPEED TRANSPORTS
[NASA RELEASE-93-52] P93-10053 06

BECK, JURGEN

SECOND GERMAN SPACELAB MISSION IS SPACE
SHUTTLE'S 54TH FLIGHT
[NASA RELEASE-93-20] P93-10021 06

BECKMAN, JOHN

NASA NAMES TEAM TO STUDY RETURN TRIP TO
MARS
[NASA RELEASE-93-157] P93-10158 06

BEGELMAN, MITCHELL C.

MYSTERY OF 'FASTEST FLICKERING' GALAXY
SOLVED
[NASA RELEASE-93-192] P93-10193 06

BEJCZY, ANTAL

NASA TO COMMERCIALIZE REMOTE-CONTROL
TECHNOLOGY
[NASA RELEASE-93-100] P93-10101 06

BELTON, MICHAEL

NASA SELECTS 11 DISCOVERY MISSION CONCEPTS
FOR STUDY
[NASA RELEASE-93-27] P93-10028 06

BEMENT, LAWRENCE J.

NASA BOARD TO INVESTIGATE STS-51 HARDWARE
PROBLEM
[NASA RELEASE-93-184] P93-10185 06

BENNER, STEVE

NASA SELECTS FLIGHT TECHNOLOGY
PROPOSALS
[NASA RELEASE-93-186] P93-10187 06

BENSON, ROBERT

SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE-93-4A] P93-10005 06
STS-56 MISSION CONTINUES NASA'S MISSION TO
PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06

BENTZ, MICHAEL D.

NASA SELECTS FLIGHT TECHNOLOGY
PROPOSALS
[NASA RELEASE-93-186] P93-10187 06

BERGMAN, L. A.

NASA SELECTS FLIGHT TECHNOLOGY
PROPOSALS
[NASA RELEASE-93-186] P93-10187 06

BERTOTTI, BRUNO

THREE SPACECRAFT TO CONDUCT 3-WEEK
GRAVITATIONAL WAVE SEARCH
[NASA RELEASE-93-48] P93-10049 06

BESSETTE, DENIS

NASA SYSTEM RESEARCH AIRCRAFT MAKES FIRST
TEST FLIGHT
[NASA RELEASE-93-95] P93-10096 06

BESSINGER, SELLUS

TWENTY NATIONAL STUDENT WINNERS HONORED
IN WASHINGTON
[NASA RELEASE-93-175] P93-10176 06

BETTERTON, THOMAS C.

MARS OBSERVER INVESTIGATION BOARD
MEMBERS NAMED
[NASA RELEASE-93-159] P93-10160 06

BIJVOET, JAN

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

BILLOW, DAN

NASA PRESS CONFERENCE: SPACE STATION
REDESIGN; NASA HEADQUARTERS BUILDING,
WASHINGTON, DC P93-10233 05

BLAHA, JOHN E.

STS-58 SECOND SPACELAB MISSION DEDICATED
TO LIFE SCIENCES P93-10136 06
SHUTTLE MISSION TO CONDUCT SCIENTIFIC
FIRST
[NASA RELEASE-93-173] P93-10174 06

BLAMONT, JACQUES

CLEMENTINE MISSION SCIENCE TEAM SELECTED
[NASA RELEASE-93-66] P93-10067 06

BLANCHARD, R. C.

STS-58 SECOND SPACELAB MISSION DEDICATED
TO LIFE SCIENCES P93-10136 06

BLAND, DAN

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06
ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

BLOMQUIST, C. GUNNAR

NASA SELECTS CENTER FOR LIFE SCIENCES
RESEARCH
[NASA RELEASE-93-40] P93-10041 06
STS-58 SECOND SPACELAB MISSION DEDICATED
TO LIFE SCIENCES P93-10136 06

BLUFORD, GUION S., JR.

ASTRONAUT BLUFORD LEAVES NASA
[NASA RELEASE-93-113] P93-10114 06
HST SERVICING MISSION HIGHLIGHTS 1993 NASA
ACCOMPLISHMENTS
[NASA RELEASE-93-226] P93-10227 06

BOHANNON, JACKIE

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

BOHN-MEYER, MARTA

NASA OSHKOSH EXHIBIT HIGHLIGHTS U.S.
'LEADERSHIP IN AERONAUTICS'
[NASA RELEASE-93-128] P93-10129 06

BOLDEN, CHARLES F., JR.

PRIME AND BACKUP COSMONAUTS NAMED FOR
SHUTTLE STS-60 MISSION
[NASA RELEASE-93-61] P93-10062 06

BOND, THOMAS H.

NASA TESTS HELICOPTER MODEL IN ICING
CONDITIONS
[NASA RELEASE-93-147] P93-10148 06

BORNE, KIRK

HUBBLE LOOKS AT THE HEART OF A GALAXY
COLLISION
[NASA RELEASE-93-97] P93-10098 06

BOWERSOX, KENNETH D.

FIVE SPACEWALKS TO SERVICE HUBBLE SPACE
TELESCOPE HIGHLIGHTS SHUTTLE MISSION STS-61
[NASA RELEASE-93-204] P93-10205 06

BOWYER, S.

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

BOYCE, RICHARD D.

STUDENTS BEGIN NASA LIFE SCIENCES TRAINING
PROGRAM
[NASA RELEASE-93-117] P93-10118 06

BOYNTON, WILLIAM V.

NASA SELECTS 11 DISCOVERY MISSION CONCEPTS
FOR STUDY
[NASA RELEASE-93-27] P93-10028 06

BRADLEY, HAROLD C.

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

BRANDEL, DANIEL

SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE-93-4A] P93-10005 06

BRASSEUR, GUY P.

NASA SELECTS UPPER ATMOSPHERE
INVESTIGATORS
[NASA RELEASE-93-123] P93-10124 06

BREAKFIELD, P. THOMAS

SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE-93-4A] P93-10005 06

SECOND GERMAN SPACELAB MISSION IS SPACE
SHUTTLE'S 54TH FLIGHT
[NASA RELEASE-93-20] P93-10021 06

STS-56 MISSION CONTINUES NASA'S MISSION TO
PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

BREGMAN, JESSE

EVIDENCE FOR SOLID WATER FOUND ON
JUPITER'S MOON IO
[NASA RELEASE-93-107] P93-10108 06

BRINGI, V. N.

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

BRINKLEY, RANDY

HUBBLE TELESCOPE SERVICING MISSION
SCHEDULED FOR ELEVEN DAYS
[NASA RELEASE-93-76] P93-10077 06

BRITT, DANIEL

NASA NAMES IMAGING PRINCIPAL INVESTIGATOR
FOR MESUR PATHFINDER
[NASA RELEASE-93-146] P93-10147 06

BROAD, BILL

+ NASA INTERVIEW WITH BILL BROAD, NEW YORK
TIMES SCIENCE WRITER P93-10241 05

+ NEW YORK TIMES INTERVIEW P93-10242 05

BROCK, DAVID E.

MINORITY CONTRACTORS OF THE YEAR AWARDS
ANNOUNCED
[NASA RELEASE-93-177] P93-10178 06

BRODMAN, LAURIE

NASA INTERVIEW WITH BILL BROAD, NEW YORK
TIMES SCIENCE WRITER P93-10241 05

BROOKS, MEL

MUTUAL BROADCASTING SYSTEM'S 'THE LARRY
KING SHOW': INTERVIEW WITH DAN GOLDIN
P93-10249 05

BROPHY, JERE

LEWIS, CASE, BATTELLE TO COMMERCIALIZE NASA
INVENTIONS
[NASA RELEASE-93-91] P93-10092 06

BROWN, DARWIN V.

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

BROWN, LEE

MUTUAL BROADCASTING SYSTEM'S 'THE LARRY
KING SHOW': INTERVIEW WITH DAN GOLDIN
P93-10249 05

BROWN, MARK N.

ASTRONAUT MARK BROWN TO JOIN GENERAL
RESEARCH CORP.
[NASA RELEASE-93-114] P93-10115 06

HST SERVICING MISSION HIGHLIGHTS 1993 NASA
ACCOMPLISHMENTS
[NASA RELEASE-93-226] P93-10227 06

BROWN, R. H.

NITROGEN ICE DISCOVERED ON PLUTO
[NASA RELEASE-93-142] P93-10143 06

BRUECKNER, G.

STS-56 MISSION CONTINUES NASA'S MISSION TO
PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06

BRUEGGE, RICHARD VORDER

NASA SELECTS 11 DISCOVERY MISSION CONCEPTS
FOR STUDY
[NASA RELEASE-93-27] P93-10028 06

BRUHWEILER, FRED C.

SATELLITE DATA GET NEW LEASE ON LIFE FROM
SOFTWARE BOOST
[NASA RELEASE-93-164] P93-10165 06

BRUNEL, MARK ISAMBARD

REMARKS PREPARED FOR DELIVERY: BRUNEL'S
PRODUCTION LINE - INSPIRATION, INNOVATION AND
THE MARCH OF TECHNOLOGY; NATIONAL CENTER
FOR MANUFACTURING SCIENCES 1993 ANNUAL
MEETING, WASHINGTON, DC P93-10236 05

BRUNGS, WALTER

SECOND GERMAN SPACELAB MISSION IS SPACE
SHUTTLE'S 54TH FLIGHT
[NASA RELEASE-93-20] P93-10021 06

BRYANT, WILLIAM JENNINGS

AIAA LUNCHEON: CRYSTAL CITY HYATT REGENCY
HOTEL, CRYSTAL CITY, VIRGINIA P93-10235 05

BUCHANAN, LEE

NEW TECHNOLOGY REINVESTMENT PROJECT
SEMINAR SET FOR APRIL 1
[NASA RELEASE-93-57] P93-10058 06

BUGG, CHARLES E.

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

BULA, RAYMOND J.

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

BURATTI, BONNIE

CLEMENTINE MISSION SCIENCE TEAM SELECTED
[NASA RELEASE-93-66] P93-10067 06

BURCHAM, BILL

NASA F-15 MAKES FIRST ENGINE-CONTROLLED
TOUCHDOWN
[NASA RELEASE-93-75] P93-10076 06

BURKEY, MARTIN

NASA BUDGET BRIEFING; NASA HEADQUARTERS,
WASHINGTON, DC P93-10234 05

BURNETT, DON

NASA SELECTS 11 DISCOVERY MISSION CONCEPTS
FOR STUDY
[NASA RELEASE-93-27] P93-10028 06

BURNSIDE, DUNCAN

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

BURSCH, DANIEL W.

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

BURSTEIN, DAVID

MYSTERIOUS CONCENTRATION OF DARK MATTER
DISCOVERED
[NASA RELEASE-93-1] P93-10001 06

BUSH, DON G.

LEE NAMED NASA PROCUREMENT CHIEF
[NASA RELEASE-93-11] P93-10012 06

BUSH, GEORGE

STAFFORD RECEIVES CONGRESSIONAL SPACE
MEDAL OF HONOR
[NASA RELEASE-93-14] P93-10015 06

REMARKS GIVEN TO JOHN LOGSTONE SPACE
POLICY CLASS; GEORGE WASHINGTON UNIVERSITY
P93-10248 05

BYRD, ROBERT C.

NATIONAL TECHNOLOGY AND EDUCATION
INITIATIVES LAUNCHED
[NASA RELEASE-93-158] P93-10159 06

C**CABLE, ADAM**

TWENTY NATIONAL STUDENT WINNERS HONORED
IN WASHINGTON
[NASA RELEASE-93-175] P93-10176 06

CAFARO, PETE

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

CAIOZZO, VINCENT J.

SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE-93-4A] P93-10005 06

CALEDONIA, GEORGE E.

NASA SELECTS FLIGHT TECHNOLOGY
PROPOSALS
[NASA RELEASE-93-186] P93-10187 06

CAMERON, KENNETH D.

STS-56 MISSION CONTINUES NASA'S MISSION TO
PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06

CANIZARES, CLAUDE

REMARKS PREPARED FOR DELIVERY: TO BOLDLY
GO - GIVING THOUGHT TO WHAT COMES NEXT IN
SPACE; NATIONAL SPACE CLUB SPACE OUTLOOK
CONFERENCE, FAIRFAX, VIRGINIA P93-10238 05

CARD, MICHAEL

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

CARLE, GLENN C.

NASA SELECTS 11 DISCOVERY MISSION CONCEPTS
FOR STUDY
[NASA RELEASE-93-27] P93-10028 06

CARPENTER, BRADLEY

SECOND GERMAN SPACELAB MISSION IS SPACE
SHUTTLE'S 54TH FLIGHT
[NASA RELEASE-93-20] P93-10021 06

CARSWELL, WILLIAM

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

CARTER, DANIEL

NASA JOINS FORCES WITH INDUSTRY IN AIDS
RESEARCH
[NASA RELEASE-93-88] P93-10089 06

CARTER, STEPHEN J.

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

CASANI, JOHN

NASA NAMES TEAM TO STUDY RETURN TRIP TO
MARS
[NASA RELEASE-93-157] P93-10158 06

CASPER, JOHN H.

FIRST 1993 SHUTTLE MISSION DEMONSTRATES
UNIQUE CAPABILITIES
[NASA RELEASE-93-4] P93-10004 06

SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE-93-4A] P93-10005 06

STS-62 AND STS-59 SPACE SHUTTLE CREW
ASSIGNMENTS ANNOUNCED
[NASA RELEASE-93-42] P93-10043 06

CASSANTO, JOHN

STS-56 MISSION CONTINUES NASA'S MISSION TO
PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06

CERNAN, EUGENE ANDREW

STAFFORD RECEIVES CONGRESSIONAL SPACE
MEDAL OF HONOR
[NASA RELEASE-93-14] P93-10015 06

CHABROW, JAY

SPACE STATION REDESIGN ADVISORY MEMBERS
NAMED
[NASA RELEASE-93-59] P93-10060 06

CHANG-DIAZ, FRANKLIN R.

PRIME AND BACKUP COSMONAUTS NAMED FOR
SHUTTLE STS-60 MISSION
[NASA RELEASE-93-61] P93-10062 06

CHANG, HUE WEN

REMARKS BY NASA ADMINISTRATOR DAN GOLDIN
BEFORE THE JPL HIGH-TECH SMALL BUSINESS
DEVELOPMENT PROCUREMENT CONFERENCE; LOS
ANGELES, CALIFORNIA P93-10231 05

CHANG, PHILIP

TWENTY NATIONAL STUDENT WINNERS HONORED
IN WASHINGTON
[NASA RELEASE-93-175] P93-10176 06

CHAPMAN, BEVERLY

REMARKS BY NASA ADMINISTRATOR DAN GOLDIN
BEFORE THE JPL HIGH-TECH SMALL BUSINESS
DEVELOPMENT PROCUREMENT CONFERENCE; LOS
ANGELES, CALIFORNIA P93-10231 05

CHAPMAN, ROBBIN N.

STUDENTS BEGIN NASA LIFE SCIENCES TRAINING
PROGRAM
[NASA RELEASE-93-117] P93-10118 06

CHEN, WAN

SUPERNOVA MAY HAVE CAUSED HUGE VOID
AROUND SOLAR SYSTEM
[NASA RELEASE-93-36] P93-10037 06

CHENG, ANDREW F.

NASA BEGINS DEVELOPMENT OF FIRST
ASTEROID-ORBITING MISSION
[NASA RELEASE-93-220] P93-10221 06

CHERNOMYRDIN, VIKTOR

HST SERVICING MISSION HIGHLIGHTS 1993 NASA
ACCOMPLISHMENTS
[NASA RELEASE-93-226] P93-10227 06

CHILES, LAWTON

NASA, STATE OF FLORIDA, SIGN TECHNOLOGY
TRANSFER ACCORD
[NASA RELEASE-93-155] P93-10156 06

CHILTON, KEVIN P.

STS-62 AND STS-59 SPACE SHUTTLE CREW
ASSIGNMENTS ANNOUNCED
[NASA RELEASE-93-42] P93-10043 06

CHRISTENSEN, ANDREW B.

NASA SELECTS UPPER ATMOSPHERE
INVESTIGATORS
[NASA RELEASE-93-123] P93-10124 06

CHRISTIANSEN, RICHARD

PERSEUS RESEARCH AIRCRAFT MAKES FIRST
TEST FLIGHT
[NASA RELEASE-93-227] P93-10228 06

CHU, PAUL

SPACE STATION REDESIGN ADVISORY MEMBERS
NAMED
[NASA RELEASE-93-59] P93-10060 06

REMARKS PREPARED FOR DELIVERY: TO BOLDLY
GO - GIVING THOUGHT TO WHAT COMES NEXT IN
SPACE; NATIONAL SPACE CLUB SPACE OUTLOOK
CONFERENCE, FAIRFAX, VIRGINIA P93-10238 05

CLARKE, ROBERT W.

FINARELLI APPOINTED HEAD OF STRATEGIC
PLANNING
[NASA RELEASE-93-132] P93-10133 06

CLAYTON, BILL

NASA BUDGET BRIEFING; NASA HEADQUARTERS,
WASHINGTON, DC P93-10234 05

CLIFFORD, MICHAEL R. U.

STS-62 AND STS-59 SPACE SHUTTLE CREW
ASSIGNMENTS ANNOUNCED
[NASA RELEASE-93-42] P93-10043 06

CLINTON, BILL

NASA BUDGET BOOSTS TECHNOLOGY, PROMISES
IMPROVED SPACE STATION PROGRAM
[NASA RELEASE-93-32] P93-10033 06

GIBBONS OUTLINES SPACE STATION REDESIGN
GUIDANCE
[NASA RELEASE-93-64] P93-10065 06

NASA, OTHER AGENCIES TO EXPLAIN
TECHNOLOGY REINVESTMENT
[NASA RELEASE-93-65] P93-10066 06

STATION REDESIGN TEAM TO SUBMIT FINAL
REPORT
[NASA RELEASE-93-104] P93-10105 06

SPACE STATION HOST CENTER AND PRIME
CONTRACTOR ANNOUNCED
[NASA RELEASE-93-148] P93-10149 06

NASA ANNOUNCES 1993 SBIR PHASE I
SELECTIONS
[NASA RELEASE-93-207] P93-10208 06

HST SERVICING MISSION HIGHLIGHTS 1993 NASA
ACCOMPLISHMENTS
[NASA RELEASE-93-226] P93-10227 06

REMARKS BY NASA ADMINISTRATOR DAN GOLDIN
BEFORE THE JPL HIGH-TECH SMALL BUSINESS
DEVELOPMENT PROCUREMENT CONFERENCE; LOS
ANGELES, CALIFORNIA P93-10231 05

REMARKS BY NASA ADMINISTRATOR DANIEL S.
GOLDIN TO THE AMERICAN ASTRONAUTICAL
SOCIETY - GODDARD MEMORIAL SYMPOSIUM:
REDESIGN OF THE SPACE STATION; HYATT REGENCY
HOTEL, CRYSTAL CITY, ARLINGTON, VIRGINIA
P93-10232 05

NASA PRESS CONFERENCE: SPACE STATION
REDESIGN; NASA HEADQUARTERS BUILDING,
WASHINGTON, DC P93-10233 05

NASA BUDGET BRIEFING; NASA HEADQUARTERS,
WASHINGTON, DC P93-10234 05

AIAA LUNCHEON; CRYSTAL CITY HYATT REGENCY
HOTEL, CRYSTAL CITY, VIRGINIA P93-10235 05

THE REDESIGN OF THE SPACE STATION:
GRAPPLING WITH THE CHALLENGE TO CHANGE
P93-10237 05

REMARKS PREPARED FOR DELIVERY: TO BOLDLY
GO - GIVING THOUGHT TO WHAT COMES NEXT IN
SPACE; NATIONAL SPACE CLUB SPACE OUTLOOK
CONFERENCE, FAIRFAX, VIRGINIA P93-10238 05

ADDRESS TO THE AIAA P93-10240 05

NASA INTERVIEW WITH BILL BROAD, NEW YORK
TIMES SCIENCE WRITER P93-10241 05

NEW YORK TIMES INTERVIEW P93-10242 05

WEST VIRGINIA HIGH TECH CONSORTIUM;
FAIRMONT, WEST VIRGINIA P93-10247 05

REMARKS GIVEN TO JOHN LOGSTONE SPACE
POLICY CLASS; GEORGE WASHINGTON UNIVERSITY
P93-10248 05

MUTUAL BROADCASTING SYSTEM'S 'THE LARRY
KING SHOW': INTERVIEW WITH DAN GOLDIN
P93-10249 05

COCHRAN, THOMAS H.

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

COCKRELL, KENNETH D.

STS-56 MISSION CONTINUES NASA'S MISSION TO
PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06

COE, MALCOLM

COMPTON OBSERVATORY DISCOVERS INTENSE,
NEW X-RAY PULSAR
[NASA RELEASE-93-141] P93-10142 06

COFFEY, TIMOTHY

NASA NAMES HEAD OF MARS OBSERVER
INVESTIGATION BOARD
[NASA RELEASE-93-153] P93-10154 06

MARS OBSERVER INVESTIGATION BOARD
MEMBERS NAMED
[NASA RELEASE-93-159] P93-10160 06

INTERVIEW WITH MATT BATES, INTERNATIONAL
AEROSPACE MACHINISTS UNION; ACR
HEADQUARTERS, WASHINGTON, DC P93-10245 05

COHEN, AARON

SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE-93-4A] P93-10005 06

SECOND GERMAN SPACELAB MISSION IS SPACE
SHUTTLE'S 54TH FLIGHT
[NASA RELEASE-93-20] P93-10021 06

STS-56 MISSION CONTINUES NASA'S MISSION TO
PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06

PEARSON ANNOUNCES SHUTTLE PROGRAM
ADJUSTMENTS
[NASA RELEASE-93-49] P93-10050 06

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

JSC DIRECTOR COHEN ANNOUNCES RETIREMENT
[NASA RELEASE-93-131] P93-10132 06

NASA PRESS CONFERENCE: SPACE STATION
REDESIGN; NASA HEADQUARTERS BUILDING,
WASHINGTON, DC P93-10233 05

PRESS CONFERENCE; JOHNSON SPACE CENTER,
HOUSTON, TEXAS P93-10239 05

COLLINS, EILEEN M.

CREW MEMBERS SELECTED FOR STS-63 SHUTTLE
SPACEHAB-3 FLIGHT
[NASA RELEASE-93-161] P93-10162 06

COLLINS, FRANK

STS-56 MISSION CONTINUES NASA'S MISSION TO
PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06

STS-56 MISSION CONTINUES NASA'S MISSION TO
PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06

COLOMBANO, SILVANO

PORTABLE COMPUTER TO HELP ASTRONAUTS
CONDUCT SCIENCE
[NASA RELEASE-93-180] P93-10181 06

COLTHART, SEAN

PRESS CONFERENCE; JOHNSON SPACE CENTER,
HOUSTON, TEXAS P93-10239 05

COMBERIATE, ANTHONY B.

SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE-93-4A] P93-10005 06

COMPTON, DALE L.

SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE-93-4A] P93-10005 06

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

CONEY, THOM

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

CONNERNEY, JOHN E. P.

IO'S 'GHOST' DETECTED ON JUPITER
[NASA RELEASE-93-208] P93-10209 06

CONWAY, JOHN T.

SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE-93-4A] P93-10005 06

SECOND GERMAN SPACELAB MISSION IS SPACE
SHUTTLE'S 54TH FLIGHT
[NASA RELEASE-93-20] P93-10021 06

STS-56 MISSION CONTINUES NASA'S MISSION TO
PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

COOMBS, DENNIS L.

NASA SELECTS FLIGHT TECHNOLOGY
PROPOSALS
[NASA RELEASE-93-186] P93-10187 06

CORDOVA, FRANCE ANNE

CORDOVA NAMED NASA CHIEF SCIENTIST
[NASA RELEASE-93-162] P93-10163 06

COSTELLO, ROBERT

NASA MODIFIES FUNDING SUPPORT FOR CENTERS
FOR COMMERCIAL DEVELOPMENT
[NASA RELEASE-93-225] P93-10226 06

COTTON, DONALD

NASA INTERVIEW WITH BILL BROAD, NEW YORK
TIMES SCIENCE WRITER P93-10241 05

COUGHLIN, THOMAS B.

NASA NAMES TEAM TO STUDY RETURN TRIP TO
MARS
[NASA RELEASE-93-157] P93-10158 06

NASA BEGINS DEVELOPMENT OF FIRST
ASTEROID-ORBITING MISSION
[NASA RELEASE-93-220] P93-10221 06

PERSONAL NAMES INDEX

DISSANAYAKE, ASOKA W.

COULTER, DANIEL R.
 NASA SELECTS FLIGHT TECHNOLOGY
 PROPOSALS
 [NASA RELEASE-93-186] P93-10187 06

COUNTS, PARKER
 SPACE SHUTTLE MISSION: STS-54
 [NASA RELEASE-93-4A] P93-10005 06

SECOND GERMAN SPACELAB MISSION IS SPACE
 SHUTTLE'S 54TH FLIGHT
 [NASA RELEASE-93-20] P93-10021 06

STS-56 MISSION CONTINUES NASA'S MISSION TO
 PLANET EARTH
 [NASA RELEASE-93-34] P93-10035 06

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
 SHUTTLE MISSION
 [NASA RELEASE-93-78] P93-10079 06

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
 [NASA RELEASE-93-121] P93-10122 06

COUSINEAU, COLLEEN
 NASA, OTHER AGENCIES TO EXPLAIN
 TECHNOLOGY REINVESTMENT
 [NASA RELEASE-93-65] P93-10066 06

COVEY, RICHARD O.
 FIVE SPACEWALKS TO SERVICE HUBBLE SPACE
 TELESCOPE HIGHLIGHTS SHUTTLE MISSION STS-61
 [NASA RELEASE-93-204] P93-10205 06

COWEN, SCOTT
 LEWIS, CASE, BATTELLE TO COMMERCIALIZE NASA
 INVENTIONS
 [NASA RELEASE-93-91] P93-10092 06

COX, DANIELLE M.
 STUDENTS BEGIN NASA LIFE SCIENCES TRAINING
 PROGRAM
 [NASA RELEASE-93-117] P93-10118 06

COX, JOHN
 SPACE STATION ORGANIZATION CHANGES
 ANNOUNCED
 [NASA RELEASE-93-136] P93-10137 06

CRAFT, HARRY G. JR.
 SPACE SHUTTLE MISSION: STS-54
 [NASA RELEASE-93-4A] P93-10005 06

CRAFT, HARRY G., JR.
 SECOND GERMAN SPACELAB MISSION IS SPACE
 SHUTTLE'S 54TH FLIGHT
 [NASA RELEASE-93-20] P93-10021 06

STS-56 MISSION CONTINUES NASA'S MISSION TO
 PLANET EARTH
 [NASA RELEASE-93-34] P93-10035 06

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
 SHUTTLE MISSION
 [NASA RELEASE-93-78] P93-10079 06

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
 [NASA RELEASE-93-121] P93-10122 06

CRANE, ROBERT E.
 ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
 [NASA RELEASE-93-121] P93-10122 06

CRAWLEY, EDWARD F.
 SPACE STATION REDESIGN ADVISORY MEMBERS
 NAMED
 [NASA RELEASE-93-59] P93-10060 06

NASA SELECTS FLIGHT TECHNOLOGY
 PROPOSALS
 [NASA RELEASE-93-186] P93-10187 06

CREEDON, JEREMIAH
 GOLDIN CALLS FOR IMPROVED TECHNOLOGY
 TRANSFER TO INDUSTRY
 [NASA RELEASE-93-9] P93-10010 06

CRIPPEN, ROBERT LAUREL
 SPACE SHUTTLE MISSION: STS-54
 [NASA RELEASE-93-4A] P93-10005 06

SECOND GERMAN SPACELAB MISSION IS SPACE
 SHUTTLE'S 54TH FLIGHT
 [NASA RELEASE-93-20] P93-10021 06

STS-56 MISSION CONTINUES NASA'S MISSION TO
 PLANET EARTH
 [NASA RELEASE-93-34] P93-10035 06

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
 SHUTTLE MISSION
 [NASA RELEASE-93-78] P93-10079 06

COLUMBIA'S RETURN MARKS SIGNIFICANT SPACE
 SHUTTLE MILESTONES
 [NASA RELEASE-93-79] P93-10080 06

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
 [NASA RELEASE-93-121] P93-10122 06

NASA, STATE OF FLORIDA, SIGN TECHNOLOGY
 TRANSFER ACCORD
 [NASA RELEASE-93-155] P93-10156 06

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 REDESIGN; NASA HEADQUARTERS BUILDING,
 WASHINGTON, DC P93-10233 05

CROMMELYNCK, D.
 STS-56 MISSION CONTINUES NASA'S MISSION TO
 PLANET EARTH
 [NASA RELEASE-93-34] P93-10035 06

CROSS, L. ERIC
 NASA SELECTS FLIGHT TECHNOLOGY
 PROPOSALS
 [NASA RELEASE-93-186] P93-10187 06

CROSSFIELD, ALBERT SCOTT
 CROSSFIELD AWARDED NASA DISTINGUISHED
 PUBLIC SERVICE MEDAL
 [NASA RELEASE-93-16] P93-10017 06

CROWE, MARK
 NASA PRESS CONFERENCE: SPACE STATION
 REDESIGN; NASA HEADQUARTERS BUILDING,
 WASHINGTON, DC P93-10233 05

CRUIKSHANK, DALE
 EVIDENCE FOR SOLID WATER FOUND ON
 JUPITER'S MOON IO
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NITROGEN ICE DISCOVERED ON PLUTO
 [NASA RELEASE-93-142] P93-10143 06

CULBERTSON, FRANK L., JR.
 ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
 [NASA RELEASE-93-121] P93-10122 06

CUMMINGS, ALAN
 SCIENTISTS LOCATE NEW RADIATION BELT
 AROUND EARTH
 [NASA RELEASE-93-94] P93-10095 06

CUMMINGS, JAY
 SCIENTISTS LOCATE NEW RADIATION BELT
 AROUND EARTH
 [NASA RELEASE-93-94] P93-10095 06

DAILEY, JOHN R.
 ORGANIZATIONAL CHANGES TO ENHANCE
 PROGRAMS, RELATIONS
 [NASA RELEASE-93-44] P93-10045 06

FINARELLI APPOINTED HEAD OF STRATEGIC
 PLANNING
 [NASA RELEASE-93-132] P93-10133 06

NASA BUDGET BRIEFING; NASA HEADQUARTERS,
 WASHINGTON, DC P93-10234 05

DALLMAN, MARY F.
 NASA STUDY MAY HELP REDUCE
 LIGHTHEADEDNESS AFTER SPACE FLIGHT
 [NASA RELEASE-93-30] P93-10031 06

DALTON, JOHN
 NASA/OHIO AEROSPACE INSTITUTE TO HOST
 CYBERSPACE CONFERENCE
 [NASA RELEASE-93-50] P93-10051 06

DAMOURS, NORMAN E.
 JEFF LAWRENCE APPOINTED TO HEAD
 LEGISLATIVE AFFAIRS FOR NASA
 [NASA RELEASE-93-70] P93-10071 06

DAVID, LEONARD
 NASA BUDGET BRIEFING; NASA HEADQUARTERS,
 WASHINGTON, DC P93-10234 05

DAVIES, MERTON
 CLEMENTINE MISSION SCIENCE TEAM SELECTED
 [NASA RELEASE-93-66] P93-10067 06

DAVIS, BRETT
 NASA PRESS CONFERENCE: SPACE STATION
 REDESIGN; NASA HEADQUARTERS BUILDING,
 WASHINGTON, DC P93-10233 05

NASA BUDGET BRIEFING; NASA HEADQUARTERS,
 WASHINGTON, DC P93-10234 05

DAVIS, DAVID S.
 MYSTERIOUS CONCENTRATION OF DARK MATTER
 DISCOVERED
 [NASA RELEASE-93-1] P93-10001 06

DAVIS, GARY
 NASA/NOAA PANEL TO INVESTIGATE NOAA-13
 FAILURE
 [NASA RELEASE-93-154] P93-10155 06

DAVIS, N. JAN
 PRIME AND BACKUP COSMONAUTS NAMED FOR
 SHUTTLE STS-60 MISSION
 [NASA RELEASE-93-61] P93-10062 06

DEBAKEY, MICHAEL
 REMARKS PREPARED FOR DELIVERY: TO BOLDLY
 GO - GIVING THOUGHT TO WHAT COMES NEXT IN
 SPACE; NATIONAL SPACE CLUB SPACE OUTLOOK
 CONFERENCE, FAIRFAX, VIRGINIA P93-10238 05

DEBERGH, C.
 NITROGEN ICE DISCOVERED ON PLUTO
 [NASA RELEASE-93-142] P93-10143 06

DELAMERE, ALAN
 NASA SELECTS FLIGHT TECHNOLOGY
 PROPOSALS
 [NASA RELEASE-93-186] P93-10187 06

DELAPEA, MICHELE
 SATELLITE DATA GET NEW LEASE ON LIFE FROM
 SOFTWARE BOOST
 [NASA RELEASE-93-164] P93-10165 06

DELOMBARD, RICHARD
 FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
 SHUTTLE MISSION
 [NASA RELEASE-93-78] P93-10079 06

DELUCAS, LAWRENCE
 PROTEIN CRYSTAL GROWTH RESEARCH TAKES
 STEP TOWARD NEW DRUGS
 [NASA RELEASE-93-166] P93-10167 06

DEMARCHI, GUIDO
 HUBBLE FINDS EVIDENCE OF STELLAR CLOSE
 ENCOUNTERS
 [NASA RELEASE-93-109] P93-10110 06

DEMINGO, PAUL
 STS-56 MISSION CONTINUES NASA'S MISSION TO
 PLANET EARTH
 [NASA RELEASE-93-34] P93-10035 06

DENSING, ROLF
 ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
 [NASA RELEASE-93-121] P93-10122 06

DHIR, VIJAY
 NASA SELECTS FLIGHT TECHNOLOGY
 PROPOSALS
 [NASA RELEASE-93-186] P93-10187 06

DIAZ, ALPHONSO V.
 SPACE SHUTTLE MISSION: STS-54
 [NASA RELEASE-93-4A] P93-10005 06

SECOND GERMAN SPACELAB MISSION IS SPACE
 SHUTTLE'S 54TH FLIGHT
 [NASA RELEASE-93-20] P93-10021 06

STS-56 MISSION CONTINUES NASA'S MISSION TO
 PLANET EARTH
 [NASA RELEASE-93-34] P93-10035 06

DIAZ NAMED TO SPACE SCIENCE POST
 [NASA RELEASE-93-53] P93-10054 06

MAGELLAN TO TEST AEROBRAKING MANEUVER IN
 VENUS ATMOSPHERE
 [NASA RELEASE-93-89] P93-10090 06

TWENTY NATIONAL STUDENT WINNERS HONORED
 IN WASHINGTON
 [NASA RELEASE-93-175] P93-10176 06

DIAZ, ANTONETTE L.
 STUDENTS BEGIN NASA LIFE SCIENCES TRAINING
 PROGRAM
 [NASA RELEASE-93-117] P93-10118 06

DINGUS, BRENDA
 NASA SATELLITE DATA SHAKE THEORIES ON
 GAMMA-RAY BURSTS
 [NASA RELEASE-93-72] P93-10073 06

DISSANAYAKE, ASOKA W.
 ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
 [NASA RELEASE-93-121] P93-10122 06

DIXON, FRANK

DIXON, FRANK

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

DIXON, LEROY

REMARKS BY NASA ADMINISTRATOR DAN GOLDIN
BEFORE THE JPL HIGH-TECH SMALL BUSINESS
DEVELOPMENT PROCUREMENT CONFERENCE; LOS
ANGELES, CALIFORNIA P93-10231 05

DIXON, TOM

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

DJORGOVSKI, S.

COMPUTER PROGRAM WILL CATALOG
ASTRONOMICAL SKY SURVEY
[NASA RELEASE-93-67] P93-10068 06

DODECK, HAUKE

SECOND GERMAN SPACELAB MISSION IS SPACE
SHUTTLE'S 54TH FLIGHT
[NASA RELEASE-93-20] P93-10021 06

DOHLMAN, WAYNE

FLIGHT TESTS PROVE SIMPLER SATELLITE-GUIDED
AUTOLAND METHOD
[NASA RELEASE-93-165] P93-10166 06

DONAHUE, THOMAS

EVIDENCE POINTS TO OCEANS, LIGHTNING ON
EARLY VENUS
[NASA RELEASE-93-51] P93-10052 06

DONE, CHRIS

MYSTERY OF 'FASTEST FLICKERING' GALAXY
SOLVED
[NASA RELEASE-93-192] P93-10193 06

DONES, LUKE

EARTH'S ROTATION RATE MAY BE DUE TO EARLY
COLLISIONS
[NASA RELEASE-93-12] P93-10013 06

DONG, CORA Z.

TWENTY NATIONAL STUDENT WINNERS HONORED
IN WASHINGTON
[NASA RELEASE-93-175] P93-10176 06

DOOSE, LYN

NASA NAMES IMAGING PRINCIPAL INVESTIGATOR
FOR MESUR PATHFINDER
[NASA RELEASE-93-146] P93-10147 06

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WASHINGTON, DC P93-10233 05

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PROPOSALS
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DOUGHERTY, ANDREW B.

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06
ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

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COMPUTER PROGRAM WILL CATALOG
ASTRONOMICAL SKY SURVEY
[NASA RELEASE-93-67] P93-10068 06

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STUDENTS BEGIN NASA LIFE SCIENCES TRAINING
PROGRAM
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HUBBLE FINDS A DOUBLE NUCLEUS IN THE
ANDROMEDA GALAXY
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SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

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SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

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SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

DUKE, BILL

MUTUAL BROADCASTING SYSTEM'S 'THE LARRY
KING SHOW': INTERVIEW WITH DAN GOLDIN
P93-10249 05

DUNBAR, BONNIE J.

ORGANIZATIONAL CHANGES TO ENHANCE
PROGRAMS, RELATIONS
[NASA RELEASE-93-44] P93-10045 06

PROTEIN CRYSTAL GROWTH RESEARCH TAKES
STEP TOWARD NEW DRUGS
[NASA RELEASE-93-166] P93-10167 06

DUNKER, STEVEN C.

SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE-93-4A] P93-10005 06

DUNN, RICK

NEW TECHNOLOGY REINVESTMENT PROJECT
SEMINAR SET FOR APRIL 1
[NASA RELEASE-93-57] P93-10058 06

DUXBURY, THOMAS

CLEMENTINE MISSION SCIENCE TEAM SELECTED
[NASA RELEASE-93-66] P93-10067 06

DWADWAL, HARBANS

CATARACT SUFFERERS COULD BENEFIT FROM
SPACE TECHNOLOGY
[NASA RELEASE-93-45] P93-10046 06

DYSON-CANTWELL, EVELYNA

NASA AND SUPRA MEDICAL CORP. TO DEVELOP
ULTRASOUND DETECTOR
[NASA RELEASE-93-125] P93-10126 06

E

EARLY, JOHNNIE L.

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

ECKERT, HELLMUT

JPL TEAM DEVELOPS SPECIAL POLLUTION
DETECTION GLASS
[NASA RELEASE-93-209] P93-10210 06

EDBERG, DONALD

NASA SELECTS FLIGHT TECHNOLOGY
PROPOSALS
[NASA RELEASE-93-186] P93-10187 06

EDELSON, BURT

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
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EDISON, THOMAS

NASA RESEARCHER TAPPED FOR OHIO SCIENCE
HALL OF FAME
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PRODUCTION LINE - INSPIRATION, INNOVATION AND
THE MARCH OF TECHNOLOGY; NATIONAL CENTER
FOR MANUFACTURING SCIENCES 1993 ANNUAL
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SECOND GERMAN SPACELAB MISSION IS SPACE
SHUTTLE'S 54TH FLIGHT
[NASA RELEASE-93-20] P93-10021 06

STS-56 MISSION CONTINUES NASA'S MISSION TO
PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

EISENHOWER, DWIGHT D.

HUBBLE LOOKS AT THE HEART OF A GALAXY
COLLISION
[NASA RELEASE-93-97] P93-10098 06

EISLER, PETER

NASA BUDGET BRIEFING; NASA HEADQUARTERS,
WASHINGTON, DC P93-10234 05

ELACHI, CHARLES

NASA NAMES TEAM TO STUDY RETURN TRIP TO
MARS
[NASA RELEASE-93-157] P93-10158 06

ELIASON, ERIC

CLEMENTINE MISSION SCIENCE TEAM SELECTED
[NASA RELEASE-93-66] P93-10067 06

ELLIOT, J. L.

NITROGEN ICE DISCOVERED ON PLUTO
[NASA RELEASE-93-142] P93-10143 06

ENGERT, MAX

PEARSON ANNOUNCES SHUTTLE PROGRAM
ADJUSTMENTS
[NASA RELEASE-93-49] P93-10050 06

ENGSTROM, F.

SECOND GERMAN SPACELAB MISSION IS SPACE
SHUTTLE'S 54TH FLIGHT
[NASA RELEASE-93-20] P93-10021 06

EPHREMIDES, ANTHONY

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

ERDMAN, ROBERT

LEWIS, CASE, BATTELLE TO COMMERCIALIZE NASA
INVENTIONS
[NASA RELEASE-93-91] P93-10092 06

ERZBERGER, HEINZ

NASA, FAA PROGRAM COULD SAVE AIRLINES
MILLIONS OF DOLLARS
[NASA RELEASE-93-127] P93-10128 06

ESCHLIMAN, DIANE S.

STUDENTS BEGIN NASA LIFE SCIENCES TRAINING
PROGRAM
[NASA RELEASE-93-117] P93-10118 06

ESENWEIN, GEORGE

STS-56 MISSION CONTINUES NASA'S MISSION TO
PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06

ESPOSITO, LARRY W.

NASA SELECTS 11 DISCOVERY MISSION CONCEPTS
FOR STUDY
[NASA RELEASE-93-27] P93-10028 06

ESTABROOK, FRANK B.

THREE SPACECRAFT TO CONDUCT 3-WEEK
GRAVITATIONAL WAVE SEARCH
[NASA RELEASE-93-48] P93-10049 06

ESTESS, ROY

ORGANIZATIONAL CHANGES TO ENHANCE
PROGRAMS, RELATIONS
[NASA RELEASE-93-44] P93-10045 06

NASA PROVIDING MIDWEST FLOODING
INFORMATION
[NASA RELEASE-93-134] P93-10135 06

ESTESS, ROY S.

SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE-93-4A] P93-10005 06

SECOND GERMAN SPACELAB MISSION IS SPACE
SHUTTLE'S 54TH FLIGHT
[NASA RELEASE-93-20] P93-10021 06

STS-56 MISSION CONTINUES NASA'S MISSION TO
PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

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REDESIGN; NASA HEADQUARTERS BUILDING,
WASHINGTON, DC P93-10233 05

EVENSON, PAUL

NASA SELECTS SECOND SET OF SMALL EXPLORER
MISSIONS
[NASA RELEASE-93-166] P93-10169 06

EWING, ANTON A.

STUDENTS BEGIN NASA LIFE SCIENCES TRAINING
PROGRAM
[NASA RELEASE-93-117] P93-10118 06

F

- FABER, SANDRA M.**
HUBBLE CLOSING IN ON AGE OF THE UNIVERSE
[NASA RELEASE-93-108] P93-10109 06

HUBBLE FINDS A DOUBLE NUCLEUS IN THE
ANDROMEDA GALAXY
[NASA RELEASE-93-133] P93-10134 06
- FABIAN, JOHN**
SPACE STATION REDESIGN ADVISORY MEMBERS
NAMED
[NASA RELEASE-93-59] P93-10060 06
- FABRICANT, JILL D.**
ARCHITECT OF NASA TECHNOLOGY INCUBATORS
TO RECEIVE AWARD
[NASA RELEASE-93-176] P93-10177 06

DIRECTOR OF AMES TECHNOLOGY
COMMERCIALIZATION CENTER NAMED
[NASA RELEASE-93-185] P93-10186 06
- FACEY, JOHN R.**
NASA TAPS 20 SCHOOLS FOR AERONAUTICS
ENGINEERING GRANTS
[NASA RELEASE-93-210] P93-10211 06
- FAHNESTOCK, DALE L.**
SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE-93-4A] P93-10005 06
- FAIN, JAMES**
SPACE STATION REDESIGN ADVISORY MEMBERS
NAMED
[NASA RELEASE-93-59] P93-10060 06
- FALSETTI, CHRISTINE**
U.S./RUSSIAN SPACE AGENCIES HOOKING
SCIENCE NETWORKS
[NASA RELEASE-93-196] P93-10197 06
- FARHI, LEON E.**
STS-58 SECOND SPACELAB MISSION DEDICATED
TO LIFE SCIENCES P93-10136 06
- FARQUHAR, ROBERT W.**
NASA BEGINS DEVELOPMENT OF FIRST
ASTEROID-ORBITING MISSION
[NASA RELEASE-93-220] P93-10221 06
- FARRIS, RON**
SPACEWALK ADDED TO JULY SPACE SHUTTLE
FLIGHT
[NASA RELEASE-93-21] P93-10022 06

SPACEWALK ADDED TO APRIL SPACE SHUTTLE
FLIGHT
[NASA RELEASE-93-31] P93-10032 06
- FAYYAD, USAMA**
COMPUTER PROGRAM WILL CATALOG
ASTRONOMICAL SKY SURVEY
[NASA RELEASE-93-67] P93-10068 06
- FEAGAN, CARL**
REMARKS GIVEN TO JOHN LOGSTONE SPACE
POLICY CLASS; GEORGE WASHINGTON UNIVERSITY
P93-10248 05
- FELDMAN, PAUL**
NASA SELECTS 11 DISCOVERY MISSION CONCEPTS
FOR STUDY
[NASA RELEASE-93-27] P93-10028 06
- FELDSTEIN, DAN**
NASA PRESS CONFERENCE: SPACE STATION
REDESIGN; NASA HEADQUARTERS BUILDING,
WASHINGTON, DC P93-10233 05
- FERNANDES, ROOSEVELT**
ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06
- FERRARESE, LAURA**
HUBBLE CLOSING IN ON AGE OF THE UNIVERSE
[NASA RELEASE-93-108] P93-10109 06
- FERRICK, EUGENE**
SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE-93-4A] P93-10005 06
- FERSTER, WARREN**
NASA BUDGET BRIEFING; NASA HEADQUARTERS,
WASHINGTON, DC P93-10234 05
- FETTMAN, MARTIN J.**
STS-58 SECOND SPACELAB MISSION DEDICATED
TO LIFE SCIENCES P93-10136 06
- SHUTTLE MISSION TO CONDUCT SCIENTIFIC
FIRST
[NASA RELEASE-93-173] P93-10174 06
- FICHTEL, CARL E.**
NASA SATELLITE DATA SHAKE THEORIES ON
GAMMA-RAY BURSTS
[NASA RELEASE-93-72] P93-10073 06
- FICHTL, GEORGE**
NASA TO DEVELOP AND BUILD SPACE STATION
FURNACE FACILITY
[NASA RELEASE-93-211] P93-10212 06
- FILIPPENKO, ALEXEI V.**
HUBBLE SUPPORTS BLACK HOLE MODEL FOR
ACTIVE GALAXIES
[NASA RELEASE-93-130] P93-10131 06
- FIMMEL, RICHARD**
PIONEER CELEBRATES 10 YEARS BEYOND THE
KNOWN SOLAR PLANETS
[NASA RELEASE-93-110] P93-10111 06
- FINARELLI, MARGARET G.**
FINARELLI APPOINTED HEAD OF STRATEGIC
PLANNING
[NASA RELEASE-93-132] P93-10133 06
- FINGER, MARK H.**
COMPTON OBSERVATORY DISCOVERS INTENSE,
NEW X-RAY PULSAR
[NASA RELEASE-93-141] P93-10142 06
- FIORIO, FABRIZIO**
MYSTERY OF 'FASTEST FLICKERING' GALAXY
SOLVED
[NASA RELEASE-93-192] P93-10193 06
- FISHER, RICHARD**
STS-56 MISSION CONTINUES NASA'S MISSION TO
PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06
- FISHMAN, GERALD**
NASA SATELLITE DATA SHAKE THEORIES ON
GAMMA-RAY BURSTS
[NASA RELEASE-93-72] P93-10073 06
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SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE-93-4A] P93-10005 06

SECOND GERMAN SPACELAB MISSION IS SPACE
SHUTTLE'S 54TH FLIGHT
[NASA RELEASE-93-20] P93-10021 06

STS-56 MISSION CONTINUES NASA'S MISSION TO
PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06
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SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE-93-4A] P93-10005 06
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STUDENTS BEGIN NASA LIFE SCIENCES TRAINING
PROGRAM
[NASA RELEASE-93-117] P93-10118 06
- FLOURNOY, DON**
ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06
- FOALE, C. MICHAEL**
STS-56 MISSION CONTINUES NASA'S MISSION TO
PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06

CREW MEMBERS SELECTED FOR STS-63 SHUTTLE
SPACEHAB-3 FLIGHT
[NASA RELEASE-93-161] P93-10162 06
- FONG, TERRY**
ANTARCTIC TO BECOME LABORATORY FOR
FUTURE MARS MISSIONS
[NASA RELEASE-93-178] P93-10179 06
- FORBES, JEFFREY M.**
NASA SELECTS UPPER ATMOSPHERE
INVESTIGATORS
[NASA RELEASE-93-123] P93-10124 06
- FORCE, CHARLES T.**
SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE-93-4A] P93-10005 06

NASA TDRSS NETWORK MARKS 10 YEARS OF
OPERATION
[NASA RELEASE-93-60] P93-10061 06
- NASA GROUND TERMINALS RECEIVE NATIVE
AMERICAN NAMES
[NASA RELEASE-93-83] P93-10084 06
- TDRSS C-BAND AGREEMENT RESTRUCTURED
[NASA RELEASE-93-126] P93-10127 06
- FORD, HOLLAND**
HUBBLE CLOSING IN ON AGE OF THE UNIVERSE
[NASA RELEASE-93-108] P93-10109 06
- FORDYCE, J. STUART**
ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06
- FORT, EDWARD**
SPACE STATION REDESIGN ADVISORY MEMBERS
NAMED
[NASA RELEASE-93-59] P93-10060 06
- FOSTER, HERB**
FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06
- FOX, CASEY**
SHUTTLE TILE MATERIAL MAY HELP IN BONE
TRANSPLANTS
[NASA RELEASE-93-102] P93-10103 06
- FRANCIS, GARY**
NASA SPONSORING SMALL BUSINESS
CONFERENCE ON DEC. 1-2
[NASA RELEASE-93-201] P93-10202 06
- FREEDMAN, WENDY**
HUBBLE CLOSING IN ON AGE OF THE UNIVERSE
[NASA RELEASE-93-108] P93-10109 06
- FREEMAN, H. RICHARD**
NASA/NOAA PANEL TO INVESTIGATE NOAA-13
FAILURE
[NASA RELEASE-93-154] P93-10155 06
- FREEMAN, JON**
ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06
- FREEMAN, YVONNE**
REMARKS BY NASA ADMINISTRATOR DAN GOLDIN
BEFORE THE JPL HIGH-TECH SMALL BUSINESS
DEVELOPMENT PROCUREMENT CONFERENCE, LOS
ANGELES, CALIFORNIA P93-10231 05

NASA BUDGET BRIEFING; NASA HEADQUARTERS,
WASHINGTON, DC P93-10234 05
- FREESE, PHIL**
NASA AND CALIFORNIA WINE GROWERS JOINTLY
BATTLE PEST DAMAGE
[NASA RELEASE-93-55] P93-10056 06
- FRENCH, BEVAN M.**
THREE SPACECRAFT TO CONDUCT 3-WEEK
GRAVITATIONAL WAVE SEARCH
[NASA RELEASE-93-48] P93-10049 06
- FRIEDL, KARL**
SECOND GERMAN SPACELAB MISSION IS SPACE
SHUTTLE'S 54TH FLIGHT
[NASA RELEASE-93-20] P93-10021 06
- FRINGS, WOLFGANG**
ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06
- FRITTS, DAVID C.**
NASA SELECTS UPPER ATMOSPHERE
INVESTIGATORS
[NASA RELEASE-93-123] P93-10124 06
- FROBEL, LUDGER**
SECOND GERMAN SPACELAB MISSION IS SPACE
SHUTTLE'S 54TH FLIGHT
[NASA RELEASE-93-20] P93-10021 06
- FU, LEE-LUENG**
SCIENTISTS FORESEE STRENGTHENING EL NINO
EVENT
[NASA RELEASE-93-39] P93-10040 06

TOPEX POSEIDON MAPS PRECISE GLOBAL SEA
LEVEL
[NASA RELEASE-93-122] P93-10123 06

TOPEX/POSEIDON DATA CONFIRMS EL NINO
PREDICTIONS
[NASA RELEASE-93-205] P93-10206 06
- FUJIKAWA, GENE**
ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

FULLERTON, CHARLES GORDON

NASA F-15 MAKES FIRST ENGINE-CONTROLLED TOUCHDOWN
[NASA RELEASE-93-75] P93-10076 06

G

GADDY, EDWARD

NASA/NOAA PANEL TO INVESTIGATE NOAA-13 FAILURE
[NASA RELEASE-93-154] P93-10155 06

GAGARIN, YURI

REMARKS BY NASA ADMINISTRATOR DAN GOLDIN BEFORE THE JPL HIGH-TECH SMALL BUSINESS DEVELOPMENT PROCUREMENT CONFERENCE; LOS ANGELES, CALIFORNIA P93-10231 05

GALLAGHER, HELEN

NASA PRESS CONFERENCE: SPACE STATION REDESIGN; NASA HEADQUARTERS BUILDING, WASHINGTON, DC P93-10233 05

GALLMAN, JOHN

NASA, LEARJET JOIN TO CREATE NEW BUSINESS JET TECHNOLOGIES
[NASA RELEASE-93-46] P93-10047 06

GARDNER, GUY S.

NASA TO FEATURE VIDEO WALL AT PARIS AIR SHOW
[NASA RELEASE-93-92] P93-10093 06

GARDY, KLAUS

SECOND GERMAN SPACELAB MISSION IS SPACE SHUTTLE'S 54TH FLIGHT
[NASA RELEASE-93-20] P93-10021 06

GARETTO, LAWRENCE

STS-56 MISSION CONTINUES NASA'S MISSION TO PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06

GARGIONE, FRANK

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

GARVEY, JOHN

NASA AMES TO DRIVE RUSSIAN ROBOT VIA SATELLITE
[NASA RELEASE-93-84] P93-10085 06

GEBALLE, THOMAS R.

NITROGEN ICE DISCOVERED ON PLUTO
[NASA RELEASE-93-142] P93-10143 06
FROZEN MOLECULAR HYDROGEN DISCOVERED IN STELLAR NURSERY
[NASA RELEASE-93-187] P93-10188 06

GEDNEY, RICHARD T.

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

GEE, JOHN S.

DIRECTOR OF AMES TECHNOLOGY COMMERCIALIZATION CENTER NAMED
[NASA RELEASE-93-185] P93-10186 06

GEHRELS, NEIL

SUPERNOVA MAY HAVE CAUSED HUGE VOID AROUND SOLAR SYSTEM
[NASA RELEASE-93-36] P93-10037 06

GEISS, JOHANNES

ULYSSES REACHES UNEXPLORED REGIONS OF SUN
[NASA RELEASE-93-217] P93-10218 06

GEIST, WILFRIED

SECOND GERMAN SPACELAB MISSION IS SPACE SHUTTLE'S 54TH FLIGHT
[NASA RELEASE-93-20] P93-10021 06

GEMAR, CHARLES D.

STS-62 AND STS-59 SPACE SHUTTLE CREW ASSIGNMENTS ANNOUNCED
[NASA RELEASE-93-42] P93-10043 06

GERMANY, DANIEL

SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE-93-4A] P93-10005 06
SECOND GERMAN SPACELAB MISSION IS SPACE SHUTTLE'S 54TH FLIGHT
[NASA RELEASE-93-20] P93-10021 06
STS-56 MISSION CONTINUES NASA'S MISSION TO PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57 SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

GERSHWIN, LARRY

NEW YORK TIMES INTERVIEW P93-10242 05

GIBBONS, JOHN H.

GIBBONS OUTLINES SPACE STATION REDESIGN GUIDANCE
[NASA RELEASE-93-64] P93-10065 06

STATION REDESIGN TEAM TO SUBMIT FINAL REPORT
[NASA RELEASE-93-104] P93-10105 06

NASA BUDGET BRIEFING; NASA HEADQUARTERS, WASHINGTON, DC P93-10234 05

GIBERSON, EUGENE

NASA NAMES TEAM TO STUDY RETURN TRIP TO MARS
[NASA RELEASE-93-157] P93-10158 06

GIBSON, WILLIAM

NASA/OHIO AEROSPACE INSTITUTE TO HOST CYBERSPACE CONFERENCE
[NASA RELEASE-93-50] P93-10051 06

GIESECKE, R.

STS-58 SECOND SPACELAB MISSION DEDICATED TO LIFE SCIENCES P93-10136 06

GILBREATH, WILLIAM

SECOND GERMAN SPACELAB MISSION IS SPACE SHUTTLE'S 54TH FLIGHT
[NASA RELEASE-93-20] P93-10021 06

GINTY, CAROL

GOLDIN CALLS FOR IMPROVED TECHNOLOGY TRANSFER TO INDUSTRY
[NASA RELEASE-93-9] P93-10010 06

GIPSON, MELINDA

NASA BUDGET BRIEFING; NASA HEADQUARTERS, WASHINGTON, DC P93-10234 05

GIROD, CARL

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

GLAAB, JOHN

NASA OSHKOSH EXHIBIT HIGHLIGHTS U.S. 'LEADERSHIP IN AERONAUTICS'
[NASA RELEASE-93-128] P93-10129 06

GLEASON, JAMES F.

1992-93 GLOBAL OZONE LEVELS LOWER THAN ANY PREVIOUS YEAR
[NASA RELEASE-93-74] P93-10075 06

GLOECKLER, GEORGE

ULYSSES REACHES UNEXPLORED REGIONS OF SUN
[NASA RELEASE-93-217] P93-10218 06

GLUKHIKH, VIKTOR K.

NASA AND RUSSIA SIGN AERONAUTICS AGREEMENT IN MOSCOW
[NASA RELEASE-93-221] P93-10222 06

HST SERVICING MISSION HIGHLIGHTS 1993 NASA ACCOMPLISHMENTS
[NASA RELEASE-93-226] P93-10227 06

GLOCKSTETTER, CHRISTOPHER A.

TWENTY NATIONAL STUDENT WINNERS HONORED IN WASHINGTON
[NASA RELEASE-93-175] P93-10176 06

GODWIN, LINDA M.

STS-62 AND STS-59 SPACE SHUTTLE CREW ASSIGNMENTS ANNOUNCED
[NASA RELEASE-93-42] P93-10043 06

PEARSON ANNOUNCES SHUTTLE PROGRAM ADJUSTMENTS
[NASA RELEASE-93-49] P93-10050 06

GOETZ, OTTO

SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE-93-4A] P93-10005 06

SECOND GERMAN SPACELAB MISSION IS SPACE SHUTTLE'S 54TH FLIGHT
[NASA RELEASE-93-20] P93-10021 06

STS-56 MISSION CONTINUES NASA'S MISSION TO PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57 SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

GOLDHIRSH, JULIUS

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

GOLDIN, DANIEL S.

GOLDIN CALLS FOR IMPROVED TECHNOLOGY TRANSFER TO INDUSTRY
[NASA RELEASE-93-9] P93-10010 06

LEE NAMED NASA PROCUREMENT CHIEF
[NASA RELEASE-93-11] P93-10012 06

VINCENT NAMED ACTING PUBLIC AFFAIRS HEAD
[NASA RELEASE-93-15] P93-10016 06

CROSSFIELD AWARDED NASA DISTINGUISHED PUBLIC SERVICE MEDAL
[NASA RELEASE-93-16] P93-10017 06

NEW ADVISORY GROUP EYES MINORITY BUSINESSES
[NASA RELEASE-93-17] P93-10018 06

NASA PRESENTS PUBLIC SERVICE MEDAL TO GENE RODDENBERRY
[NASA RELEASE-93-19] P93-10020 06

NASA RESEARCHER TAPPED FOR OHIO SCIENCE HALL OF FAME
[NASA RELEASE-93-23] P93-10024 06

NASA SELECTS 11 DISCOVERY MISSION CONCEPTS FOR STUDY
[NASA RELEASE-93-27] P93-10028 06

NASA BUDGET BOOSTS TECHNOLOGY, PROMISES IMPROVED SPACE STATION PROGRAM
[NASA RELEASE-93-32] P93-10033 06

GOLDIN ANNOUNCES KEY SPACE STATION POSTS, SPENDING MEASURES
[NASA RELEASE-93-38] P93-10039 06

ORGANIZATIONAL CHANGES TO ENHANCE PROGRAMS, RELATIONS
[NASA RELEASE-93-44] P93-10045 06

PEARSON ANNOUNCES SHUTTLE PROGRAM ADJUSTMENTS
[NASA RELEASE-93-49] P93-10050 06

DIAZ NAMED TO SPACE SCIENCE POST
[NASA RELEASE-93-53] P93-10054 06

EXPLORATION EFFORT SHIFTED TO OFFICE OF SPACE SCIENCE
[NASA RELEASE-93-54] P93-10055 06

NASA AND THE RUSSIAN SPACE AGENCY SIGN MARS '94 CONTRACT
[NASA RELEASE-93-62] P93-10063 06

GIBBONS OUTLINES SPACE STATION REDESIGN GUIDANCE
[NASA RELEASE-93-64] P93-10065 06

NASA SPACE SUIT AND MEDICAL TECHNOLOGIES HONORED
[NASA RELEASE-93-69] P93-10070 06

JEFF LAWRENCE APPOINTED TO HEAD LEGISLATIVE AFFAIRS FOR NASA
[NASA RELEASE-93-70] P93-10071 06

NASA AND NATIONAL INDUSTRY RESEARCH GROUP SIGN AGREEMENT
[NASA RELEASE-93-82] P93-10083 06

HUBBLE SERVICING MISSION STUDY COMPLETED
[NASA RELEASE-93-96] P93-10097 06

STATION REDESIGN TEAM TO SUBMIT FINAL REPORT
[NASA RELEASE-93-104] P93-10105 06

NASA AND NIDCD SELECT VESTIBULAR RESEARCH CENTER
[NASA RELEASE-93-111] P93-10112 06

MALCOLM PETERSON APPOINTED NASA ACTING COMPTROLLER
[NASA RELEASE-93-112] P93-10113 06

TWO ASTRONAUTS APPOINTED TO HEADQUARTERS POSITIONS
[NASA RELEASE-93-120] P93-10121 06

NASA AND GERMAN SPACE AGENCY SIGN SPACE AGREEMENT
[NASA RELEASE-93-129] P93-10130 06

JSC DIRECTOR COHEN ANNOUNCES RETIREMENT
[NASA RELEASE-93-131] P93-10132 06

- FINARELLI APPOINTED HEAD OF STRATEGIC PLANNING
[NASA RELEASE-93-132] P93-10133 06
- SPACE STATION HOST CENTER AND PRIME CONTRACTOR ANNOUNCED
[NASA RELEASE-93-148] P93-10149 06
- NASA NAMES HEAD OF MARS OBSERVER INVESTIGATION BOARD
[NASA RELEASE-93-153] P93-10154 06
- NASA NAMES TEAM TO STUDY RETURN TRIP TO MARS
[NASA RELEASE-93-157] P93-10158 06
- NATIONAL TECHNOLOGY AND EDUCATION INITIATIVES LAUNCHED
[NASA RELEASE-93-158] P93-10159 06
- MARS OBSERVER INVESTIGATION BOARD MEMBERS NAMED
[NASA RELEASE-93-159] P93-10160 06
- CORDOVA NAMED NASA CHIEF SCIENTIST
[NASA RELEASE-93-162] P93-10163 06
- MINORITY CONTRACTORS OF THE YEAR AWARDS ANNOUNCED
[NASA RELEASE-93-177] P93-10178 06
- GOLDIN ANNOUNCES KEY SPACE STATION MANAGEMENT MOVES
[NASA RELEASE-93-191] P93-10192 06
- NASA SMALL BUSINESS OUTREACH OFFICE TO OPEN IN NASHUA, N.H.
[NASA RELEASE-93-206] P93-10207 06
- TECHNOLOGY 2003 TO HIGHLIGHT NEW TECHNOLOGICAL DISCOVERIES
[NASA RELEASE-93-212] P93-10213 06
- NASA EXCEEDS MINORITY SMALL BUSINESS GOAL AHEAD OF SCHEDULE
[NASA RELEASE-93-214] P93-10215 06
- YELLOW CREEK FACILITIES TARGETED FOR SHUTTLE NOZZLE WORK
[NASA RELEASE-93-215] P93-10216 06
- NASA AND RUSSIA SIGN AERONAUTICS AGREEMENT IN MOSCOW
[NASA RELEASE-93-221] P93-10222 06
- NASA AND RUSSIAN SPACE AGENCY SIGN AGREEMENT FOR ADDITIONAL SPACE SHUTTLE/MIR MISSIONS
[NASA RELEASE-93-222] P93-10223 06
- HST SERVICING MISSION HIGHLIGHTS 1993 NASA ACCOMPLISHMENTS
[NASA RELEASE-93-226] P93-10227 06
- + TRANSCRIPT: REMARKS BY DANIEL S. GOLDIN ON NASA TELEVISION P93-10230 05
- + REMARKS BY NASA ADMINISTRATOR DAN GOLDIN BEFORE THE JPL HIGH-TECH SMALL BUSINESS DEVELOPMENT PROCUREMENT CONFERENCE; LOS ANGELES, CALIFORNIA P93-10231 05
- + REMARKS BY NASA ADMINISTRATOR DANIEL S. GOLDIN TO THE AMERICAN ASTRONAUTICAL SOCIETY - GODDARD MEMORIAL SYMPOSIUM: REDESIGN OF THE SPACE STATION; HYATT REGENCY HOTEL, CRYSTAL CITY, ARLINGTON, VIRGINIA P93-10232 05
- + NASA PRESS CONFERENCE: SPACE STATION REDESIGN; NASA HEADQUARTERS BUILDING, WASHINGTON, DC P93-10233 05
- + NASA BUDGET BRIEFING; NASA HEADQUARTERS, WASHINGTON, DC P93-10234 05
- + AIAA LUNCHEON; CRYSTAL CITY HYATT REGENCY HOTEL, CRYSTAL CITY, VIRGINIA P93-10235 05
- + REMARKS PREPARED FOR DELIVERY: BRUNEL'S PRODUCTION LINE - INSPIRATION, INNOVATION AND THE MARCH OF TECHNOLOGY; NATIONAL CENTER FOR MANUFACTURING SCIENCES 1993 ANNUAL MEETING, WASHINGTON, DC P93-10236 05
- + THE REDESIGN OF THE SPACE STATION: GRAPPLING WITH THE CHALLENGE TO CHANGE P93-10237 05
- + REMARKS PREPARED FOR DELIVERY: TO BOLDLY GO - GIVING THOUGHT TO WHAT COMES NEXT IN SPACE; NATIONAL SPACE CLUB SPACE OUTLOOK CONFERENCE, FAIRFAX, VIRGINIA P93-10238 05
- + PRESS CONFERENCE; JOHNSON SPACE CENTER, HOUSTON, TEXAS P93-10239 05
- + ADDRESS TO THE AIAA P93-10240 05
- NEW YORK TIMES INTERVIEW P93-10242 05
- + REMARKS BY NASA ADMINISTRATOR DAN GOLDIN TO THE AEROSPACE INDUSTRY ASSOCIATION (AIA); LITCHFIELD PARK, ARIZONA P93-10243 05
- + GLOBAL CHANGE RESEARCH; ACADEMY OF SCIENCES, NATIONAL RESEARCH COUNCIL BUILDING, WASHINGTON, DC P93-10244 05
- + REMARKS BY DANIEL S. GOLDIN P93-10246 05
- + WEST VIRGINIA HIGH TECH CONSORTIUM; FAIRMONT, WEST VIRGINIA P93-10247 05
- REMARKS GIVEN TO JOHN LOGSTONE SPACE POLICY CLASS; GEORGE WASHINGTON UNIVERSITY P93-10248 05
- MUTUAL BROADCASTING SYSTEM'S 'THE LARRY KING SHOW': INTERVIEW WITH DAN GOLDIN P93-10249 05
- GOLDMAN, A. M., JR.**
ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06
- GOLDSMITH, THEODORE C.**
SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE-93-4A] P93-10005 06
- GOLDSTEIN, DAVID**
STS-56 MISSION CONTINUES NASA'S MISSION TO PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06
- GOLDSTEIN, HOWARD**
SHUTTLE TILE MATERIAL MAY HELP IN BONE TRANSPLANTS
[NASA RELEASE-93-102] P93-10103 06
- GOLDWATER, DANI**
SHUTTLE TILE MATERIAL MAY HELP IN BONE TRANSPLANTS
[NASA RELEASE-93-102] P93-10103 06
- GOOD, MARY**
SPACE STATION REDESIGN ADVISORY MEMBERS NAMED
[NASA RELEASE-93-59] P93-10060 06
- GOODSON, GREG**
SHUTTLE OZONE DATA RETRIEVED FROM ATMOS RECORDER
[NASA RELEASE-93-118] P93-10119 06
- GOODY, RICHARD**
NASA SELECTS 11 DISCOVERY MISSION CONCEPTS FOR STUDY
[NASA RELEASE-93-27] P93-10028 06
- GORE, AL**
NASA INTERVIEW WITH BILL BROAD, NEW YORK TIMES SCIENCE WRITER P93-10241 05
- GORE, ALBERT**
SPACE STATION REDESIGN ADVISORY MEMBERS NAMED
[NASA RELEASE-93-59] P93-10060 06
- HST SERVICING MISSION HIGHLIGHTS 1993 NASA ACCOMPLISHMENTS
[NASA RELEASE-93-226] P93-10227 06
- ADDRESS TO THE AIAA P93-10240 05
- NEW YORK TIMES INTERVIEW P93-10242 05
- WEST VIRGINIA HIGH TECH CONSORTIUM; FAIRMONT, WEST VIRGINIA P93-10247 05
- MUTUAL BROADCASTING SYSTEM'S 'THE LARRY KING SHOW': INTERVIEW WITH DAN GOLDIN P93-10249 05
- GOVAIN, STEVEN**
PRESS CONFERENCE; JOHNSON SPACE CENTER, HOUSTON, TEXAS P93-10239 05
- GOWENS, JAY**
ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06
- GRABE, RONALD J.**
FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57 SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06
- GRAHAM, JOHN**
HUBBLE CLOSING IN ON AGE OF THE UNIVERSE
[NASA RELEASE-93-108] P93-10109 06
- GREAVES, JAMES**
NASA/NOAA PANEL TO INVESTIGATE NOAA-13 FAILURE
[NASA RELEASE-93-154] P93-10155 06
- GREBOWSKY, JOSEPH**
EVIDENCE POINTS TO OCEANS, LIGHTNING ON EARLY VENUS
[NASA RELEASE-93-51] P93-10052 06
- GREEN, BILL**
JEFF LAWRENCE APPOINTED TO HEAD LEGISLATIVE AFFAIRS FOR NASA
[NASA RELEASE-93-70] P93-10071 06
- GREEN, JACKLYN**
NASA SR-71 NOW A FLYING OBSERVATORY
[NASA RELEASE-93-71] P93-10072 06
- GREENFIELD, MICHAEL A.**
NASA/NOAA PANEL TO INVESTIGATE NOAA-13 FAILURE
[NASA RELEASE-93-154] P93-10155 06
- NASA BOARD TO INVESTIGATE STS-51 HARDWARE PROBLEM
[NASA RELEASE-93-184] P93-10185 06
- GREGO, MIKE**
PRESS CONFERENCE; JOHNSON SPACE CENTER, HOUSTON, TEXAS P93-10239 05
- GREGORY, FREDERICK D.**
SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE-93-4A] P93-10005 06
- SECOND GERMAN SPACELAB MISSION IS SPACE SHUTTLE'S 54TH FLIGHT
[NASA RELEASE-93-20] P93-10021 06
- STS-56 MISSION CONTINUES NASA'S MISSION TO PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06
- FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57 SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06
- ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06
- TWENTY NATIONAL STUDENT WINNERS HONORED IN WASHINGTON
[NASA RELEASE-93-175] P93-10176 06
- GREWING, M.**
ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06
- GRIFFIN, MICHAEL D.**
EXPLORATION EFFORT SHIFTED TO OFFICE OF SPACE SCIENCE
[NASA RELEASE-93-54] P93-10055 06
- MARS OBSERVER INVESTIGATION BOARD MEMBERS NAMED
[NASA RELEASE-93-159] P93-10160 06
- GRIFFIN, RUSS**
FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57 SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06
- GRIFFITH, DOUGLAS**
MAGELLAN TO TEST AEROBRACING MANEUVER IN VENUS ATMOSPHERE
[NASA RELEASE-93-89] P93-10090 06
- MAGELLAN AEROBRACING AT VENUS A SUCCESS
[NASA RELEASE-93-144] P93-10145 06
- GRIFFITHS, RICHARD**
HUBBLE DISCOVERS A DOUBLE NUCLEUS IN CORE OF ACTIVE GALAXY
[NASA RELEASE-93-6] P93-10007 06
- HUBBLE DEEP-SKY SURVEY FINDS INTERACTING GALAXIES IN A CLUSTER
[NASA RELEASE-93-203] P93-10204 06
- GRIMBERG, WILLIAM**
LEWIS, CASE, BATTELLE TO COMMERCIALIZE NASA INVENTIONS
[NASA RELEASE-93-91] P93-10092 06
- GROSS, WERNER**
SECOND GERMAN SPACELAB MISSION IS SPACE SHUTTLE'S 54TH FLIGHT
[NASA RELEASE-93-20] P93-10021 06
- GRUSZCZYNSKI, MICHAEL**
NASA SELECTS FLIGHT TECHNOLOGY PROPOSALS
[NASA RELEASE-93-186] P93-10187 06

GUIN, J. HARRY

SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE-93-4A] P93-10005 06

SECOND GERMAN SPACELAB MISSION IS SPACE
SHUTTLE'S 54TH FLIGHT
[NASA RELEASE-93-20] P93-10021 06

STS-56 MISSION CONTINUES NASA'S MISSION TO
PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

GUNN, CHARLES R.

NASA BOARD TO INVESTIGATE STS-51 HARDWARE
PROBLEM
[NASA RELEASE-93-184] P93-10185 06

GUNSON, M.

STS-56 MISSION CONTINUES NASA'S MISSION TO
PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06

GURNETT, DON

VOYAGER SPACECRAFT FIND CLUE TO ANOTHER
SOLAR SYSTEM MYSTERY
[NASA RELEASE-93-99] P93-10100 06

GUSEV, OLEG

NASA-RUSSIAN MISSION EXPLORES KAMCHATKAN
VOLCANOES
[NASA RELEASE-93-198] P93-10199 06

GUTIERREZ, SIDNEY M.

STS-62 AND STS-59 SPACE SHUTTLE CREW
ASSIGNMENTS ANNOUNCED
[NASA RELEASE-93-42] P93-10043 06

GUYTON, ANDREW

NASA CO-SPONSORS HIGH-TECH SMALL BUSINESS
CONFERENCE
[NASA RELEASE-93-29] P93-10030 06

H

HACKING, PERRY B.

NASA SELECTS SECOND SET OF SMALL EXPLORER
MISSIONS
[NASA RELEASE-93-168] P93-10169 06

HADAR, KAMEA N.

TWENTY NATIONAL STUDENT WINNERS HONORED
IN WASHINGTON
[NASA RELEASE-93-175] P93-10176 06

HAGGERTY, KEVEN G.

STUDENTS BEGIN NASA LIFE SCIENCES TRAINING
PROGRAM
[NASA RELEASE-93-117] P93-10118 06

HAGLE, CHAD A.

TWENTY NATIONAL STUDENT WINNERS HONORED
IN WASHINGTON
[NASA RELEASE-93-175] P93-10176 06

HALLECK, HENRY W.

AIAA LUNCHEON; CRYSTAL CITY HYATT REGENCY
HOTEL, CRYSTAL CITY, VIRGINIA P93-10235 05

HAMILTON, ALEXANDER

REMARKS PREPARED FOR DELIVERY: BRUNEL'S
PRODUCTION LINE - INSPIRATION, INNOVATION AND
THE MARCH OF TECHNOLOGY; NATIONAL CENTER
FOR MANUFACTURING SCIENCES 1993 ANNUAL
MEETING, WASHINGTON, DC P93-10236 05

HAMMACK, BARBARA L.

STUDENTS BEGIN NASA LIFE SCIENCES TRAINING
PROGRAM
[NASA RELEASE-93-117] P93-10118 06

HANNAFORD, BLAKE

NASA SELECTS FLIGHT TECHNOLOGY
PROPOSALS
[NASA RELEASE-93-186] P93-10187 06

HANSEN, ELAINE R.

NASA SELECTS FLIGHT TECHNOLOGY
PROPOSALS
[NASA RELEASE-93-186] P93-10187 06

HARBAUGH, GREGORY J.

FIRST 1993 SHUTTLE MISSION DEMONSTRATES
UNIQUE CAPABILITIES
[NASA RELEASE-93-4] P93-10004 06

SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE-93-4A] P93-10005 06

HARGROVE, TOM

NASA PRESS CONFERENCE: SPACE STATION
REDESIGN; NASA HEADQUARTERS BUILDING,
WASHINGTON, DC P93-10233 05

HARIHARAN, MOORTHY

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

HARLAN, CHARLES S.

SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE-93-4A] P93-10005 06

SECOND GERMAN SPACELAB MISSION IS SPACE
SHUTTLE'S 54TH FLIGHT
[NASA RELEASE-93-20] P93-10021 06

STS-56 MISSION CONTINUES NASA'S MISSION TO
PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

HARRIS, BERNARD A., JR.

SECOND GERMAN SPACELAB MISSION IS SPACE
SHUTTLE'S 54TH FLIGHT
[NASA RELEASE-93-20] P93-10021 06

CREW MEMBERS SELECTED FOR STS-63 SHUTTLE
SPACEHAB-3 FLIGHT
[NASA RELEASE-93-161] P93-10162 06

HARRIS, WESLEY L.

NASA TO FEATURE VIDEOWALL AT PARIS AIR
SHOW
[NASA RELEASE-93-92] P93-10093 06

NASA, FAA PROGRAM COULD SAVE AIRLINES
MILLIONS OF DOLLARS
[NASA RELEASE-93-127] P93-10128 06

REMARKS BY NASA ADMINISTRATOR DAN GOLDIN
BEFORE THE JPL HIGH-TECH SMALL BUSINESS
DEVELOPMENT PROCUREMENT CONFERENCE; LOS
ANGELES, CALIFORNIA P93-10231 05

HART, JAMES

U.S./RUSSIAN SPACE AGENCIES HOOKING
SCIENCE NETWORKS
[NASA RELEASE-93-196] P93-10197 06

HARTLE, RICHARD

EVIDENCE POINTS TO OCEANS, LIGHTNING ON
EARLY VENUS
[NASA RELEASE-93-51] P93-10052 06

HARTMAN, BRIAN D.

STUDENTS BEGIN NASA LIFE SCIENCES TRAINING
PROGRAM
[NASA RELEASE-93-117] P93-10118 06

HARTMANN, GERNOT

STS-56 MISSION CONTINUES NASA'S MISSION TO
PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

HARTSFIELD, HENRY WARREN, JR.

MUTUAL BROADCASTING SYSTEM'S 'THE LARRY
KING SHOW': INTERVIEW WITH DAN GOLDIN
P93-10249 05

HATALA, TOM

NASA AND CALIFORNIA WINE GROWERS JOINTLY
BATTLE PEST DAMAGE
[NASA RELEASE-93-55] P93-10056 06

HATTERY, ROBERT

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

HAUCK, FREDERICK H.

SPACE STATION REDESIGN ADVISORY MEMBERS
NAMED
[NASA RELEASE-93-59] P93-10060 06

HAWLEY, STEVEN A.

SECOND GERMAN SPACELAB MISSION IS SPACE
SHUTTLE'S 54TH FLIGHT
[NASA RELEASE-93-20] P93-10021 06

HAY, GEORGE C.

NEW WINDSHEAR SENSORS A
GOVERNMENT-INDUSTRY 'SUCCESS STORY'
[NASA RELEASE-93-170] P93-10171 06

NASA, FAA CONSIDER REVISED WINDSHEAR
PILOTING PROCEDURES
[NASA RELEASE-93-171] P93-10172 06

HEACOCK, RAY

NASA NAMES TEAM TO STUDY RETURN TRIP TO
MARS
[NASA RELEASE-93-157] P93-10158 06

HEELIS, RODERICK A.

NASA SELECTS UPPER ATMOSPHERE
INVESTIGATORS
[NASA RELEASE-93-123] P93-10124 06

HEFLIN, MILT

HUBBLE TELESCOPE SERVICING MISSION
SCHEDULED FOR ELEVEN DAYS
[NASA RELEASE-93-76] P93-10077 06

HELFAND, DAVID J.

NASA SCIENTISTS SOLVE LONG-STANDING
STELLAR MYSTERY
[NASA RELEASE-93-25] P93-10026 06

HELMKEN, HENRY

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

HELMS, SUSAN J.

FIRST 1993 SHUTTLE MISSION DEMONSTRATES
UNIQUE CAPABILITIES
[NASA RELEASE-93-4] P93-10004 06

SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE-93-4A] P93-10005 06

HENDRICKS, JOHN B.

NASA SELECTS FLIGHT TECHNOLOGY
PROPOSALS
[NASA RELEASE-93-186] P93-10187 06

HENNESSEY, JOHN

STS-56 MISSION CONTINUES NASA'S MISSION TO
PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06

HENNING, RUDOLPH E.

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

HENRICKS, TERENCE T.

SECOND GERMAN SPACELAB MISSION IS SPACE
SHUTTLE'S 54TH FLIGHT
[NASA RELEASE-93-20] P93-10021 06

HENSON, VICTOR KEITH

SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE-93-4A] P93-10005 06

SECOND GERMAN SPACELAB MISSION IS SPACE
SHUTTLE'S 54TH FLIGHT
[NASA RELEASE-93-20] P93-10021 06

STS-56 MISSION CONTINUES NASA'S MISSION TO
PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

HERBST, T. M.

DIAMONDS IN THE SKY CHALLENGE GALAXY
EVOLUTION THEORIES
[NASA RELEASE-93-58] P93-10059 06

HERLT, STEPHEN

NASA F-15 BEING READIED FOR ADVANCED
MANEUVERING FLIGHT
[NASA RELEASE-93-115] P93-10116 06

HERMAN, JAY R.

1993 ANTARCTIC OZONE HOLE REACHES RECORD
LOWS
[NASA RELEASE-93-190] P93-10191 06

HERNANDEZ, GERARDO A.

STUDENTS BEGIN NASA LIFE SCIENCES TRAINING
PROGRAM
[NASA RELEASE-93-117] P93-10118 06

HERNANDEZ, MIGUEL A., JR.

MINORITY CONTRACTORS OF THE YEAR AWARDS
ANNOUNCED
[NASA RELEASE-93-177] P93-10178 06

REMARKS BY NASA ADMINISTRATOR DAN GOLDIN
BEFORE THE JPL HIGH-TECH SMALL BUSINESS
DEVELOPMENT PROCUREMENT CONFERENCE; LOS
ANGELES, CALIFORNIA P93-10231 05

HERNDON-KING, CINDA

LEWIS, CASE, BATTELLE TO COMMERCIALIZE NASA
INVENTIONS
[NASA RELEASE-93-91] P93-10092 06

HESSENIUS, KRISTIN A.

ORGANIZATIONAL CHANGES TO ENHANCE
PROGRAMS, RELATIONS
[NASA RELEASE-93-44] P93-10045 06

HEYMAN, JOSEPH

NASA ADAPTING UNIQUE X-RAY SYSTEM TO
INSPECT AIRCRAFT
[NASA RELEASE-93-137] P93-10138 06

HILDERMAN, DON

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

HILL, CLIFF

NASA BUDGET BRIEFING; NASA HEADQUARTERS,
WASHINGTON, DC P93-10234 05

HILL, ROBERT

HUBBLE CLOSING IN ON AGE OF THE UNIVERSE
[NASA RELEASE-93-108] P93-10109 06

HILLARD, G. BARRY

NASA SELECTS FLIGHT TECHNOLOGY
PROPOSALS
[NASA RELEASE-93-186] P93-10187 06

HILSENRAATH, E.

STS-56 MISSION CONTINUES NASA'S MISSION TO
PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06

HINDERKS, LARRY

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

HINE, BUTLER

NASA AMES TO DRIVE RUSSIAN ROBOT VIA
SATELLITE
[NASA RELEASE-93-84] P93-10085 06

ANTARCTIC TO BECOME LABORATORY FOR
FUTURE MARS MISSIONS
[NASA RELEASE-93-178] P93-10179 06

HINTON, DAVID

NASA, FAA CONSIDER REVISED WINDSHEAR
PILOTING PROCEDURES
[NASA RELEASE-93-171] P93-10172 06

HO, LUIS C.

HUBBLE SUPPORTS BLACK HOLE MODEL FOR
ACTIVE GALAXIES
[NASA RELEASE-93-130] P93-10131 06

HOAGLAND, RICHARD

MUTUAL BROADCASTING SYSTEM'S 'THE LARRY
KING SHOW': INTERVIEW WITH DAN GOLDIN
P93-10249 05

HODGES, WARREN

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

HOESSEL, JOHN

HUBBLE CLOSING IN ON AGE OF THE UNIVERSE
[NASA RELEASE-93-108] P93-10109 06

HOFFMAN, DAVID J.

1993 ANTARCTIC OZONE HOLE REACHES RECORD
LOWS
[NASA RELEASE-93-190] P93-10191 06

HOFFMAN, JEFFREY A.

FIVE SPACEWALKS TO SERVICE HUBBLE SPACE
TELESCOPE HIGHLIGHTS SHUTTLE MISSION STS-61
[NASA RELEASE-93-204] P93-10205 06

MUTUAL BROADCASTING SYSTEM'S 'THE LARRY
KING SHOW': INTERVIEW WITH DAN GOLDIN
P93-10249 05

HOFFMAN, RICHARD

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

HOFFREUTER, DONALD

NATIONAL TECHNOLOGY AND EDUCATION
INITIATIVES LAUNCHED
[NASA RELEASE-93-158] P93-10159 06

HOHE, LINDER

SECOND GERMAN SPACELAB MISSION IS SPACE
SHUTTLE'S 54TH FLIGHT
[NASA RELEASE-93-20] P93-10021 06

HOLBEN, BRENT

NASA HELPS PROVIDE FAMINE EARLY WARNING
FOR AFRICA
[NASA RELEASE-93-213] P93-10214 06

HOLCOMB, LEE

INDUSTRY TESTS NASA COMPUTER PROGRAMS
FOR EFFICIENT DESIGNING
[NASA RELEASE-93-90] P93-10091 06

HOLLAND, NANCY

PRESS CONFERENCE; JOHNSON SPACE CENTER,
HOUSTON, TEXAS P93-10239 05

HOLLOWAY, HARRY C.

ORGANIZATIONAL CHANGES TO ENHANCE
PROGRAMS, RELATIONS
[NASA RELEASE-93-44] P93-10045 06

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NASA BOARD TO INVESTIGATE STS-51 HARDWARE
PROBLEM
[NASA RELEASE-93-184] P93-10185 06

HOLMES, BRUCE J.

NASA OSHKOSH EXHIBIT HIGHLIGHTS U.S.
'LEADERSHIP IN AERONAUTICS'
[NASA RELEASE-93-128] P93-10129 06

HOLT, STEVE

ASTRO-D MISSION TO LAUNCH TONIGHT IN
JAPAN
[NASA RELEASE-93-28] P93-10029 06

HONEYCUTT, JAY F.

SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE-93-4A] P93-10005 06

SECOND GERMAN SPACELAB MISSION IS SPACE
SHUTTLE'S 54TH FLIGHT
[NASA RELEASE-93-20] P93-10021 06

STS-56 MISSION CONTINUES NASA'S MISSION TO
PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

HOOK, W. RAY

NASA TO DEVELOP TECHNOLOGY FOR FUTURE
HIGH-SPEED TRANSPORTS
[NASA RELEASE-93-52] P93-10053 06

HOOVER, RICHARD B.

ASTROPHYSICIST NAMED 1992 NASA INVENTOR OF
THE YEAR
[NASA RELEASE-93-24] P93-10025 06

HORAK, FAY B.

NASA AND NIDCD SELECT VESTIBULAR RESEARCH
CENTER
[NASA RELEASE-93-111] P93-10112 06

HORAN, STEPHEN

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

HORNE, CLIFTON

NASA TESTING NEW, POWERFUL DUCTED FANS
ENGINE FOR CIVIL JETS
[NASA RELEASE-93-103] P93-10104 06

HOVERSTON, PAUL

NASA PRESS CONFERENCE: SPACE STATION
REDESIGN; NASA HEADQUARTERS BUILDING,
WASHINGTON, DC P93-10233 05

NASA BUDGET BRIEFING; NASA HEADQUARTERS,
WASHINGTON, DC P93-10234 05

HOWARD, DANIEL

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

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HUBBLE LOOKS AT THE HEART OF A GALAXY
COLLISION
[NASA RELEASE-93-97] P93-10098 06

MUTUAL BROADCASTING SYSTEM'S 'THE LARRY
KING SHOW': INTERVIEW WITH DAN GOLDIN
P93-10249 05

HUBER, THOMAS E.

SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE-93-4A] P93-10005 06

STS-56 MISSION CONTINUES NASA'S MISSION TO
PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

HUCHRA, JOHN

HUBBLE CLOSING IN ON AGE OF THE UNIVERSE
[NASA RELEASE-93-108] P93-10109 06

HUDKINS, KEITH L.

NASA BOARD TO INVESTIGATE STS-51 HARDWARE
PROBLEM
[NASA RELEASE-93-184] P93-10185 06

HUESCHEN, RICHARD M.

FLIGHT TESTS PROVE SIMPLER SATELLITE-GUIDED
AUTOLAND METHOD
[NASA RELEASE-93-165] P93-10166 06

HUGHES, ALVIN E.

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

HUGHES, SHAUN

HUBBLE CLOSING IN ON AGE OF THE UNIVERSE
[NASA RELEASE-93-108] P93-10109 06

HUNNING, JIM

NASA-RUSSIAN MISSION EXPLORES KAMCHATKAN
VOLCANOES
[NASA RELEASE-93-198] P93-10199 06

HUNTRESS, WESLEY T., JR.

NASA SELECTS 11 DISCOVERY MISSION CONCEPTS
FOR STUDY
[NASA RELEASE-93-27] P93-10028 06

ORGANIZATIONAL CHANGES TO ENHANCE
PROGRAMS, RELATIONS
[NASA RELEASE-93-44] P93-10045 06

EXPLORATION EFFORT SHIFTED TO OFFICE OF
SPACE SCIENCE
[NASA RELEASE-93-54] P93-10055 06

NASA NAMES IMAGING PRINCIPAL INVESTIGATOR
FOR MESUR PATHFINDER
[NASA RELEASE-93-146] P93-10147 06

NASA SELECTS SECOND SET OF SMALL EXPLORER
MISSIONS
[NASA RELEASE-93-168] P93-10169 06

NASA BUDGET BRIEFING; NASA HEADQUARTERS,
WASHINGTON, DC P93-10234 05

HURWITZ, M.

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

HWANG, ERICA Y.

STUDENTS BEGIN NASA LIFE SCIENCES TRAINING
PROGRAM
[NASA RELEASE-93-117] P93-10118 06

HYLAND, D. C.

NASA SELECTS FLIGHT TECHNOLOGY
PROPOSALS
[NASA RELEASE-93-186] P93-10187 06

HYMER, W. C.

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

ICHIKI, ALBERT

STS-58 SECOND SPACELAB MISSION DEDICATED
TO LIFE SCIENCES P93-10136 06

ICHNIOWSKI, TOM

NASA PRESS CONFERENCE: SPACE STATION
REDESIGN; NASA HEADQUARTERS BUILDING,
WASHINGTON, DC P93-10233 05

IESS, LUCIANO

THREE SPACECRAFT TO CONDUCT 3-WEEK
GRAVITATIONAL WAVE SEARCH
[NASA RELEASE-93-48] P93-10049 06

ILLINGWORTH, GARTH

HUBBLE CLOSING IN ON AGE OF THE UNIVERSE
[NASA RELEASE-93-108] P93-10109 06

IPPOLITO, LOUIS J.

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

IRONS, JEFF

REMARKS PREPARED FOR DELIVERY: TO BOLDLY
GO - GIVING THOUGHT TO WHAT COMES NEXT IN
SPACE; NATIONAL SPACE CLUB SPACE OUTLOOK
CONFERENCE, FAIRFAX, VIRGINIA P93-10238 05

ISLER, PETER

NASA PRESS CONFERENCE: SPACE STATION
REDESIGN; NASA HEADQUARTERS BUILDING,
WASHINGTON, DC P93-10233 05

IVINS, MARSHA S.

STS-62 AND STS-59 SPACE SHUTTLE CREW
ASSIGNMENTS ANNOUNCED
[NASA RELEASE-93-42] P93-10043 06

J

JACKSON, BRUCE P.

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

JACOBS, GREGG

TOPEX/POSEIDON DATA CONFIRMS EL NINO
PREDICTIONS
[NASA RELEASE-93-205] P93-10206 06

JACOT, DEAN

NASA SELECTS FLIGHT TECHNOLOGY
PROPOSALS
[NASA RELEASE-93-186] P93-10187 06

JANNI, JOSEPH

MARS OBSERVER INVESTIGATION BOARD
MEMBERS NAMED
[NASA RELEASE-93-159] P93-10160 06

JARRETT, DAVID

SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE-93-4A] P93-10005 06

JEDREY, TOM

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

JEMISON, MAE C.

ASTRONAUT JEMISON TO LEAVE NASA
[NASA RELEASE-93-43] P93-10044 06
HST SERVICING MISSION HIGHLIGHTS 1993 NASA
ACCOMPLISHMENTS
[NASA RELEASE-93-226] P93-10227 06
REMARKS BY NASA ADMINISTRATOR DAN GOLDIN
BEFORE THE JPL HIGH-TECH SMALL BUSINESS
DEVELOPMENT PROCUREMENT CONFERENCE; LOS
ANGELES, CALIFORNIA P93-10231 05

JENKINS, E.

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

JENKINS, JAMES

COCKPIT WEATHER SYSTEM MAY SAVE AIRLINES
\$6 MILLION PER YEAR
[NASA RELEASE-93-194] P93-10195 06

JENNINGS, JOHN

NEW TECHNOLOGY REINVESTMENT PROJECT
SEMINAR SET FOR APRIL 1
[NASA RELEASE-93-57] P93-10058 06

JERNIGAN, TAMARA E.

PAYLOAD COMMANDERS NAMED FOR FUTURE
SHUTTLE MISSIONS
[NASA RELEASE-93-140] P93-10141 06

JOCELYN, GREG

PRESS CONFERENCE; JOHNSON SPACE CENTER,
HOUSTON, TEXAS P93-10239 05

JOHNSON, FRANK P.

STUDENTS BEGIN NASA LIFE SCIENCES TRAINING
PROGRAM
[NASA RELEASE-93-117] P93-10118 06

JOHNSON, HARRY

NASA SELECTS PHASE II SMALL BUSINESS
INNOVATION RESEARCH PROJECTS
[NASA RELEASE-93-3] P93-10003 06

NASA OSHKOSH EXHIBIT HIGHLIGHTS U.S.
'LEADERSHIP IN AERONAUTICS'
[NASA RELEASE-93-128] P93-10129 06

JOHNSON, PAUL

REMARKS PREPARED FOR DELIVERY: BRUNEL'S
PRODUCTION LINE - INSPIRATION, INNOVATION AND
THE MARCH OF TECHNOLOGY; NATIONAL CENTER
FOR MANUFACTURING SCIENCES 1993 ANNUAL
MEETING, WASHINGTON, DC P93-10236 05

JONES-MEYLOE, SHEL

U.S./RUSSIAN SPACE AGENCIES HOOKING
SCIENCE NETWORKS
[NASA RELEASE-93-196] P93-10197 06

JONES, THOMAS DAVID

STS-62 AND STS-59 SPACE SHUTTLE CREW
ASSIGNMENTS ANNOUNCED
[NASA RELEASE-93-42] P93-10043 06

PAYLOAD COMMANDERS NAMED FOR FUTURE
SHUTTLE MISSIONS
[NASA RELEASE-93-140] P93-10141 06

JUSTICE, CHRISTOPHER

NASA HELPS PROVIDE FAMINE EARLY WARNING
FOR AFRICA
[NASA RELEASE-93-213] P93-10214 06

K

KAISER, WILLIAM

NASA SELECTS FLIGHT TECHNOLOGY
PROPOSALS
[NASA RELEASE-93-186] P93-10187 06

KALUZIENSKI, LOUIS

SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE-93-4A] P93-10005 06

KAMLIN, KAY

MUTUAL BROADCASTING SYSTEM'S 'THE LARRY
KING SHOW': INTERVIEW WITH DAN GOLDIN
P93-10249 05

KARAHISAR, ARA

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

KARSTEN, REINHOLD

SECOND GERMAN SPACELAB MISSION IS SPACE
SHUTTLE'S 54TH FLIGHT
[NASA RELEASE-93-20] P93-10021 06

KATIRA, RESHMA C.

STUDENTS BEGIN NASA LIFE SCIENCES TRAINING
PROGRAM
[NASA RELEASE-93-117] P93-10118 06

KAYE, JACK

STS-56 MISSION CONTINUES NASA'S MISSION TO
PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06

KAZANAS, DEMOSTHENES

SATELLITE DATA GET NEW LEASE ON LIFE FROM
SOFTWARE BOOST
[NASA RELEASE-93-164] P93-10165 06

KEARNEY, GEORGE

STS-56 MISSION CONTINUES NASA'S MISSION TO
PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06

KEATING, GERALD

MAGELLAN AEROBRAKING AT VENUS A SUCCESS
[NASA RELEASE-93-144] P93-10145 06

KEENE, KEVIN

NASA BUDGET BRIEFING; NASA HEADQUARTERS,
WASHINGTON, DC P93-10234 05

KEIL, LANNY

NASA STUDY MAY HELP REDUCE
LIGHTEADEDNESS AFTER SPACE FLIGHT
[NASA RELEASE-93-30] P93-10031 06

KELLER, H. UWE

NASA NAMES IMAGING PRINCIPAL INVESTIGATOR
FOR MESUR PATHFINDER
[NASA RELEASE-93-146] P93-10147 06

KELLER, MANFRED

SECOND GERMAN SPACELAB MISSION IS SPACE
SHUTTLE'S 54TH FLIGHT
[NASA RELEASE-93-20] P93-10021 06

KENNEDY, JOHN F.

REMARKS BY NASA ADMINISTRATOR DAN GOLDIN
BEFORE THE JPL HIGH-TECH SMALL BUSINESS
DEVELOPMENT PROCUREMENT CONFERENCE; LOS
ANGELES, CALIFORNIA P93-10231 05

MUTUAL BROADCASTING SYSTEM'S 'THE LARRY
KING SHOW': INTERVIEW WITH DAN GOLDIN
P93-10249 05

KENNEDY, KEN

INDUSTRY TESTS NASA COMPUTER PROGRAMS
FOR EFFICIENT DESIGNING
[NASA RELEASE-93-90] P93-10091 06

KENNELLY, ROBERT

NASA, LEARJET JOIN TO CREATE NEW BUSINESS
JET TECHNOLOGIES
[NASA RELEASE-93-46] P93-10047 06

KENNICUTT, ROBERT

HUBBLE CLOSING IN ON AGE OF THE UNIVERSE
[NASA RELEASE-93-108] P93-10109 06

KENNY, MEL

MUTUAL BROADCASTING SYSTEM'S 'THE LARRY
KING SHOW': INTERVIEW WITH DAN GOLDIN
P93-10249 05

KEPLER, JOHANNES

SCIENTISTS REVEAL NATURE OF EXPLODING, RED
SUPERGIANT STAR
[NASA RELEASE-93-63] P93-10064 06

KERCZEWSKI, ROBERT

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

KERNER, DARLENE MOSSE

NASA FLIES FIBER OPTICS ON AIRCRAFT CONTROL
SYSTEMS TEST
[NASA RELEASE-93-199] P93-10200 06

KERWIN, MARY D.

JEFF LAWRENCE APPOINTED TO HEAD
LEGISLATIVE AFFAIRS FOR NASA
[NASA RELEASE-93-70] P93-10071 06

KHARADLY, M. M. Z.

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

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TWENTY NATIONAL STUDENT WINNERS HONORED
IN WASHINGTON
[NASA RELEASE-93-175] P93-10176 06

NASA BEGINS DEVELOPMENT OF FIRST
ASTEROID-ORBITING MISSION
[NASA RELEASE-93-220] P93-10221 06

KIEHNE, NORBERT

SECOND GERMAN SPACELAB MISSION IS SPACE
SHUTTLE'S 54TH FLIGHT
[NASA RELEASE-93-20] P93-10021 06

KILLEEN, TIMOTHY L.

NASA SELECTS 11 DISCOVERY MISSION CONCEPTS
FOR STUDY
[NASA RELEASE-93-27] P93-10028 06

NASA SELECTS UPPER ATMOSPHERE
INVESTIGATORS
[NASA RELEASE-93-123] P93-10124 06

KIM, HYOUNG-MAN

NASA SELECTS FLIGHT TECHNOLOGY
PROPOSALS
[NASA RELEASE-93-186] P93-10187 06

KIM, SOON SAM

JPL TEAM DEVELOPS SPECIAL POLLUTION
DETECTION GLASS
[NASA RELEASE-93-209] P93-10210 06

KINARD, WILLIAM H.

NASA SELECTS FLIGHT TECHNOLOGY
PROPOSALS
[NASA RELEASE-93-186] P93-10187 06

KING, DAVID

STS-56 MISSION CONTINUES NASA'S MISSION TO
PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

KING, IVAN

HUBBLE IDENTIFIES A SOURCE OF MYSTERIOUS
X-RAY BURSTS
[NASA RELEASE-93-156] P93-10157 06

KING, LARRY

+ MUTUAL BROADCASTING SYSTEM'S 'THE LARRY
KING SHOW': INTERVIEW WITH DAN GOLDIN
P93-10249 05

KINNAN, MIKE

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

KIVELSON, MARGARET

GALILEO DETECTS MAGNETIC FIELD AROUND
ASTEROID IDA
[NASA RELEASE-93-193] P93-10194 06

KLAUSNER, JAMES F.

NASA SELECTS FLIGHT TECHNOLOGY
PROPOSALS
[NASA RELEASE-93-186] P93-10187 06

KLINEBERG, JOHN M.

SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE-93-4A] P93-10005 06

STS-56 MISSION CONTINUES NASA'S MISSION TO
PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

NASA/NOAA PANEL TO INVESTIGATE NOAA-13
FAILURE
[NASA RELEASE-93-154] P93-10155 06

KLOOSTER, STEVEN

NASA SCIENTISTS CREATE EARTH BREATHING
IMAGE
[NASA RELEASE-93-223] P93-10224 06

KNASEL, MICHAEL

NASA SELECTS FLIGHT TECHNOLOGY
PROPOSALS
[NASA RELEASE-93-186] P93-10187 06

KNIGHT, RODNEY M.

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

KNOTT, K.

SECOND GERMAN SPACELAB MISSION IS SPACE
SHUTTLE'S 54TH FLIGHT
[NASA RELEASE-93-20] P93-10021 06

KNUDSEN, JENS MARTIN

NASA NAMES IMAGING PRINCIPAL INVESTIGATOR
FOR MESUR PATHFINDER
[NASA RELEASE-93-146] P93-10147 06

KOHN, STEVEN R.

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

KOHR, RICHARD H.

SPACE STATION FREEDOM PROPULSION FIRING
TESTS UNDERWAY
[NASA RELEASE-93-7] P93-10008 06

SPACE STATION PRECURSOR WORK CONTINUES
ON SHUTTLE IN 1993
[NASA RELEASE-93-10] P93-10011 06

GOLDIN ANNOUNCES KEY SPACE STATION POSTS,
SPENDING MEASURES
[NASA RELEASE-93-38] P93-10039 06

NASA SPACE STATION DIRECTOR RICHARD KOHR
TO RETIRE
[NASA RELEASE-93-160] P93-10161 06

KOLOS, KIMBERLY R.

NASA SELECTS FLIGHT TECHNOLOGY
PROPOSALS
[NASA RELEASE-93-186] P93-10187 06

KONDO, YOJI

SCIENTISTS REVEAL NATURE OF EXPLODING, RED
SUPERGIANT STAR
[NASA RELEASE-93-63] P93-10064 06

SATELLITE DATA GET NEW LEASE ON LIFE FROM
SOFTWARE BOOST
[NASA RELEASE-93-164] P93-10165 06

KOPTEV, YURI

NASA AND THE RUSSIAN SPACE AGENCY SIGN
MARS '94 CONTRACT
[NASA RELEASE-93-62] P93-10063 06

NASA AND RUSSIAN SPACE AGENCY SIGN
AGREEMENT FOR ADDITIONAL SPACE SHUTTLE/MIR
MISSIONS
[NASA RELEASE-93-222] P93-10223 06

HST SERVICING MISSION HIGHLIGHTS 1993 NASA
ACCOMPLISHMENTS
[NASA RELEASE-93-226] P93-10227 06

KORMENDY, JOHN

HUBBLE FINDS A DOUBLE NUCLEUS IN THE
ANDROMEDA GALAXY
[NASA RELEASE-93-133] P93-10134 06

KOUVELIOTOU, CHRYSSA

NASA SATELLITE DATA SHAKE THEORIES ON
GAMMA-RAY BURSTS
[NASA RELEASE-93-72] P93-10073 06

KOZMETSKY, GEORGE

ARCHITECT OF NASA TECHNOLOGY INCUBATORS
TO RECEIVE AWARD
[NASA RELEASE-93-176] P93-10177 06

KOZYRA, JANET U.

NASA SELECTS UPPER ATMOSPHERE
INVESTIGATORS
[NASA RELEASE-93-123] P93-10124 06

KRAEMER, G.

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

KRANE, DAMON B.

TWENTY NATIONAL STUDENT WINNERS HONORED
IN WASHINGTON
[NASA RELEASE-93-175] P93-10176 06

KRANZ, EUGENE F.

SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE-93-4A] P93-10005 06

SECOND GERMAN SPACELAB MISSION IS SPACE
SHUTTLE'S 54TH FLIGHT
[NASA RELEASE-93-20] P93-10021 06

STS-56 MISSION CONTINUES NASA'S MISSION TO
PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

KRIKALEV, SERGEI K.

PRIME AND BACKUP COSMONAUTS NAMED FOR
SHUTTLE STS-60 MISSION
[NASA RELEASE-93-61] P93-10062 06

NASA AND RUSSIAN SPACE AGENCY SIGN
AGREEMENT FOR ADDITIONAL SPACE SHUTTLE/MIR
MISSIONS
[NASA RELEASE-93-222] P93-10223 06

HST SERVICING MISSION HIGHLIGHTS 1993 NASA
ACCOMPLISHMENTS
[NASA RELEASE-93-226] P93-10227 06

KRIKORIAN, ABRAHAM

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

KRIMIGIS, STAMATIOS M.

NASA BEGINS DEVELOPMENT OF FIRST
ASTEROID-ORBITING MISSION
[NASA RELEASE-93-220] P93-10221 06

KROLL, WALTER

SECOND GERMAN SPACELAB MISSION IS SPACE
SHUTTLE'S 54TH FLIGHT
[NASA RELEASE-93-20] P93-10021 06

KRUEGER, MYRON

NASA/OHIO AEROSPACE INSTITUTE TO HOST
CYBERSPACE CONFERENCE
[NASA RELEASE-93-50] P93-10051 06

KRUMRICH, CHRISTINE A.

STUDENTS BEGIN NASA LIFE SCIENCES TRAINING
PROGRAM
[NASA RELEASE-93-117] P93-10118 06

KU, ANTHONY Y.

TWENTY NATIONAL STUDENT WINNERS HONORED
IN WASHINGTON
[NASA RELEASE-93-175] P93-10176 06

KUIPER, THOMAS

NASA USES NEW METHOD TO DETECT NEW STARS
AND PLANETS
[NASA RELEASE-93-106] P93-10107 06

KUMAR, NEEL R.

TWENTY NATIONAL STUDENT WINNERS HONORED
IN WASHINGTON
[NASA RELEASE-93-175] P93-10176 06

KUNISAWA, BYRON

REMARKS BY NASA ADMINISTRATOR DAN GOLDIN
BEFORE THE JPL HIGH-TECH SMALL BUSINESS
DEVELOPMENT PROCUREMENT CONFERENCE, LOS
ANGELES, CALIFORNIA P93-10231 05

KURSCHEID, HERMANN-JOSEF

SECOND GERMAN SPACELAB MISSION IS SPACE
SHUTTLE'S 54TH FLIGHT
[NASA RELEASE-93-20] P93-10021 06

L**LAM, LISA W.**

TWENTY NATIONAL STUDENT WINNERS HONORED
IN WASHINGTON
[NASA RELEASE-93-175] P93-10176 06

LANG, J. ROBERT

SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE-93-4A] P93-10005 06

SECOND GERMAN SPACELAB MISSION IS SPACE
SHUTTLE'S 54TH FLIGHT
[NASA RELEASE-93-20] P93-10021 06

STS-56 MISSION CONTINUES NASA'S MISSION TO
PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

LANGER, WILLIAM

NASA USES NEW METHOD TO DETECT NEW STARS
AND PLANETS
[NASA RELEASE-93-106] P93-10107 06

LANGFORD, JOHN

PERSEUS RESEARCH AIRCRAFT MAKES FIRST
TEST FLIGHT
[NASA RELEASE-93-227] P93-10228 06

LANZEROTTI, LOU

SPACE STATION REDESIGN ADVISORY MEMBERS
NAMED
[NASA RELEASE-93-59] P93-10060 06

LARKIN, DAVID J.

NASA ANNOUNCES NEW SEMICONDUCTOR
GROWTH PROCESS
[NASA RELEASE-93-200] P93-10201 06

LASKOWSKI, JOHN

LEWIS, CASE, BATTELLE TO COMMERCIALIZE NASA
INVENTIONS
[NASA RELEASE-93-91] P93-10092 06

LATCHMAN, HANIPH A.

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

LAUER, TOD R.

HUBBLE FINDS A DOUBLE NUCLEUS IN THE
ANDROMEDA GALAXY
[NASA RELEASE-93-133] P93-10134 06

LAUGHTON, CLIFFORD

TDRSS C-BAND AGREEMENT RESTRUCTURED
[NASA RELEASE-93-126] P93-10127 06

LAVIGNA, TOM

COMPTON GAMMA-RAY OBSERVATORY TO GET
ORBIT BOOST
[NASA RELEASE-93-179] P93-10180 06

NASA SUCCEEDS WITH GAMMA-RAY
OBSERVATORY REBOOST
[NASA RELEASE-93-224] P93-10225 06

LAWLER, ANDREW

NASA BUDGET BRIEFING; NASA HEADQUARTERS,
WASHINGTON, DC P93-10234 05

LAWRENCE, DALE

LAWRENCE, DALE
NASA SELECTS FLIGHT TECHNOLOGY
PROPOSALS
[NASA RELEASE-93-186] P93-10187 06

LAWRENCE, JEFF
JEFF LAWRENCE APPOINTED TO HEAD
LEGISLATIVE AFFAIRS FOR NASA
[NASA RELEASE-93-70] P93-10071 06

LEACH, CAROLYN
STS-58 SECOND SPACELAB MISSION DEDICATED
TO LIFE SCIENCES P93-10136 06

LEARY, WARREN
NASA PRESS CONFERENCE: SPACE STATION
REDESIGN; NASA HEADQUARTERS BUILDING,
WASHINGTON, DC P93-10233 05

LEE, ANNA PEI-CHING
STUDENTS BEGIN NASA LIFE SCIENCES TRAINING
PROGRAM
[NASA RELEASE-93-117] P93-10118 06

LEE, DAN
NASA AND CENTRAL AMERICA WILL EXPAND RAIN
FOREST STUDIES
[NASA RELEASE-93-47] P93-10048 06

LEE, DEIDRE A.
LEE NAMED NASA PROCUREMENT CHIEF
[NASA RELEASE-93-11] P93-10012 06
ORGANIZATIONAL CHANGES TO ENHANCE
PROGRAMS, RELATIONS
[NASA RELEASE-93-44] P93-10045 06
NASA BUDGET BRIEFING; NASA HEADQUARTERS,
WASHINGTON, DC P93-10234 05

LEE, JACK
NASA TO DEVELOP AND BUILD SPACE STATION
FURNACE FACILITY
[NASA RELEASE-93-211] P93-10212 06

LEE, KERRY
ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

LEE, MYUNG GYOON
HUBBLE CLOSING IN ON AGE OF THE UNIVERSE
[NASA RELEASE-93-108] P93-10109 06

LEE, ROBERT E.
AIAA LUNCHEON; CRYSTAL CITY HYATT REGENCY
HOTEL, CRYSTAL CITY, VIRGINIA P93-10235 05

LEE, THOMAS J.
SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE-93-4A] P93-10005 06
SECOND GERMAN SPACELAB MISSION IS SPACE
SHUTTLE'S 54TH FLIGHT
[NASA RELEASE-93-20] P93-10021 06
STS-56 MISSION CONTINUES NASA'S MISSION TO
PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06
FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06
ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06
ARKANSAS, NASA SIGN TECHNOLOGY TRANSFER
ACCORD
[NASA RELEASE-93-138] P93-10139 06
NASA PRESS CONFERENCE: SPACE STATION
REDESIGN; NASA HEADQUARTERS BUILDING,
WASHINGTON, DC P93-10233 05

LEESTMA, DAVID C.
SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE-93-4A] P93-10005 06
STS-56 MISSION CONTINUES NASA'S MISSION TO
PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06
ASTRONAUT JEMISON TO LEAVE NASA
[NASA RELEASE-93-43] P93-10044 06
FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06
BIENNIAL ASTRONAUT RECRUITING BEGINS
[NASA RELEASE-93-101] P93-10102 06
ASTRONAUT BLUFORD LEAVES NASA
[NASA RELEASE-93-113] P93-10114 06

ASTRONAUT MARK BROWN TO JOIN GENERAL
RESEARCH CORP.
[NASA RELEASE-93-114] P93-10115 06

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

LEISAWITZ, DAVID
COBE 'BIG BANG' DATA MADE AVAILABLE TO
SCIENTIFIC COMMUNITY
[NASA RELEASE-93-145] P93-10146 06

LEISER, DANIEL
SHUTTLE TILE MATERIAL MAY HELP IN BONE
TRANSPLANTS
[NASA RELEASE-93-102] P93-10103 06

LEITHERER, CLAUS
HUBBLE LOOKS AT THE HEART OF A GALAXY
COLLISION
[NASA RELEASE-93-97] P93-10098 06

LENO, JAY
STS-56 MISSION CONTINUES NASA'S MISSION TO
PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06

LENTZEN, RAIMUND
SECOND GERMAN SPACELAB MISSION IS SPACE
SHUTTLE'S 54TH FLIGHT
[NASA RELEASE-93-20] P93-10021 06

LESLIE, THOMAS
FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

LESTER, DEAN
NASA SELECTS FLIGHT TECHNOLOGY
PROPOSALS
[NASA RELEASE-93-186] P93-10187 06

LEVIN, GEORGE
FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

LEVIN, STEVEN
HUBBLE USES NEW METHOD TO DETECT NEW STARS
AND PLANETS
[NASA RELEASE-93-106] P93-10107 06

LEVINE, JACK
FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06
ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

LEVY, DAVID
HUBBLE INVESTIGATES COMET ON A COLLISION
COURSE WITH JUPITER
[NASA RELEASE-93-188] P93-10189 06

LEWIS, MARIAN
STS-56 MISSION CONTINUES NASA'S MISSION TO
PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06

LEWIS, NORMAN
ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

LEWIS, TRACY L.
STUDENTS BEGIN NASA LIFE SCIENCES TRAINING
PROGRAM
[NASA RELEASE-93-117] P93-10118 06

LILLY, WILLIAM
SPACE STATION REDESIGN ADVISORY MEMBERS
NAMED
[NASA RELEASE-93-59] P93-10060 06

LITTLES, J. WAYNE
SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE-93-4A] P93-10005 06
SECOND GERMAN SPACELAB MISSION IS SPACE
SHUTTLE'S 54TH FLIGHT
[NASA RELEASE-93-20] P93-10021 06
STS-56 MISSION CONTINUES NASA'S MISSION TO
PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06
FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06
ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

PERSONAL NAMES INDEX

LIVINGSTONE, WILLIAM A.
VINCENT NAMED ACTING PUBLIC AFFAIRS HEAD
[NASA RELEASE-93-15] P93-10016 06

LOGSTONE, JOHN
+ REMARKS GIVEN TO JOHN LOGSTONE SPACE
POLICY CLASS, GEORGE WASHINGTON UNIVERSITY
P93-10248 05

LOKERSON, DONALD
NASA/NOAA PANEL TO INVESTIGATE NOAA-13
FAILURE
[NASA RELEASE-93-154] P93-10155 06

LONG, MICHAEL
NEW TECHNOLOGY REINVESTMENT PROJECT
SEMINAR SET FOR APRIL 1
[NASA RELEASE-93-57] P93-10058 06

LONG, RODNEY
ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

LOW, G. DAVID
SPACEWALK ADDED TO APRIL SPACE SHUTTLE
FLIGHT
[NASA RELEASE-93-31] P93-10032 06
FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

LUCEY, PAUL
CLEMENTINE MISSION SCIENCE TEAM SELECTED
[NASA RELEASE-93-66] P93-10067 06

LUCID, SHANNON W.
STS-58 SECOND SPACELAB MISSION DEDICATED
TO LIFE SCIENCES P93-10136 06
SHUTTLE MISSION TO CONDUCT SCIENTIFIC
FIRST
[NASA RELEASE-93-173] P93-10174 06

LUNDY, WILSON
SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE-93-4A] P93-10005 06
NASA GROUND TERMINALS RECEIVE NATIVE
AMERICAN NAMES
[NASA RELEASE-93-83] P93-10084 06

LUNINE, JONATHAN
NASA NAMES TEAM TO STUDY RETURN TRIP TO
MARS
[NASA RELEASE-93-157] P93-10158 06

LUTTGES, MARVIN
SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE-93-4A] P93-10005 06
FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

LUX, DAVE
NASA SR-71 NOW A FLYING OBSERVATORY
[NASA RELEASE-93-71] P93-10072 06
NASA TESTS NEW LASER AIR DATA SYSTEM ON
SR-71 BLACKBIRD
[NASA RELEASE-93-163] P93-10164 06

LYONS, MICHAEL T.
FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

M

MACALERRY, DAVID
NASA PRESS CONFERENCE: SPACE STATION
REDESIGN; NASA HEADQUARTERS BUILDING,
WASHINGTON, DC P93-10233 05

MACARTHUR, WILLIAM S., JR.
STS-58 SECOND SPACELAB MISSION DEDICATED
TO LIFE SCIENCES P93-10136 06

MACKENTY, JACK
HUBBLE DISCOVERS A DOUBLE NUCLEUS IN CORE
OF ACTIVE GALAXY
[NASA RELEASE-93-6] P93-10007 06

MADDEN, JEREMIAH
NASA/NOAA PANEL TO INVESTIGATE NOAA-13
FAILURE
[NASA RELEASE-93-154] P93-10155 06

MADEJSKI, GREG M.

MYSTERY OF 'FASTEST FLICKERING' GALAXY SOLVED
[NASA RELEASE-93-192] P93-10193 06

MADORE, BARRY

HUBBLE CLOSING IN ON AGE OF THE UNIVERSE
[NASA RELEASE-93-108] P93-10109 06

MAHAFFY, PAUL

NASA SELECTS UPPER ATMOSPHERE INVESTIGATORS
[NASA RELEASE-93-123] P93-10124 06

MAIER, REID

STS-56 MISSION CONTINUES NASA'S MISSION TO PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06

MALEY, JIMIE

SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE-93-4A] P93-10005 06

MALONE, PATRICK

NASA SELECTS FLIGHT TECHNOLOGY PROPOSALS
[NASA RELEASE-93-186] P93-10187 06

MANNING, RAY

NASA SELECTS FLIGHT TECHNOLOGY PROPOSALS
[NASA RELEASE-93-186] P93-10187 06

MAO, SUSAN W.

STUDENTS BEGIN NASA LIFE SCIENCES TRAINING PROGRAM
[NASA RELEASE-93-117] P93-10118 06

MARAN, STEPHEN

SATELLITE DATA GET NEW LEASE ON LIFE FROM SOFTWARE BOOST
[NASA RELEASE-93-164] P93-10165 06

MARSDEN, RICHARD

ULYSSES REACHES UNEXPLORED REGIONS OF SUN
[NASA RELEASE-93-217] P93-10218 06

MARSHALL, THOMAS

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

MARTIN, CHRISTOPHER

NASA SELECTS SECOND SET OF SMALL EXPLORER MISSIONS
[NASA RELEASE-93-168] P93-10169 06

MARTIN, ERICA R.

TWENTY NATIONAL STUDENT WINNERS HONORED IN WASHINGTON
[NASA RELEASE-93-175] P93-10176 06

MARTIN, GARY

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57 SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

MARTIN, JANEAN E.

STUDENTS BEGIN NASA LIFE SCIENCES TRAINING PROGRAM
[NASA RELEASE-93-117] P93-10118 06

MARTINEZ, RICHARD

STS-56 MISSION CONTINUES NASA'S MISSION TO PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06

MARTINIDES, H.

SECOND GERMAN SPACELAB MISSION IS SPACE SHUTTLE'S 54TH FLIGHT
[NASA RELEASE-93-20] P93-10021 06

MATHENY, NEIL

NASA SR-71 NOW A FLYING OBSERVATORY
[NASA RELEASE-93-71] P93-10072 06

MATHER, JOHN C.

BIG BANG THEORY PASSES TOUGHEST TEST
[NASA RELEASE-93-5] P93-10006 06

COBE 'BIG BANG' DATA MADE AVAILABLE TO SCIENTIFIC COMMUNITY
[NASA RELEASE-93-145] P93-10146 06

NASA ENDS COSMIC BACKGROUND EXPLORER SCIENCE OPERATIONS
[NASA RELEASE-93-228] P93-10229 06

MATLOCK, RICH

NASA NAMES TEAM TO STUDY RETURN TRIP TO MARS
[NASA RELEASE-93-157] P93-10158 06

MATUS, LAWRENCE G.

NASA ANNOUNCES NEW SEMICONDUCTOR GROWTH PROCESS
[NASA RELEASE-93-200] P93-10201 06

MAYER, CHARLES E.

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

MAYR, HANS G.

NASA SELECTS UPPER ATMOSPHERE INVESTIGATORS
[NASA RELEASE-93-123] P93-10124 06

MARTHUR, WILLIAM S., JR.

SHUTTLE MISSION TO CONDUCT SCIENTIFIC FIRST
[NASA RELEASE-93-173] P93-10174 06

MCBRIDE, JAMES L.

STUDENTS BEGIN NASA LIFE SCIENCES TRAINING PROGRAM
[NASA RELEASE-93-117] P93-10118 06

MCCAULEY, LISA A.

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57 SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

MCCLELLAN, GEORGE B.

AIAA LUNCHEON; CRYSTAL CITY HYATT REGENCY HOTEL, CRYSTAL CITY, VIRGINIA
P93-10235 05

MCCLINTOCK, JAMES

ANTARCTIC TO BECOME LABORATORY FOR FUTURE MARS MISSIONS
[NASA RELEASE-93-178] P93-10179 06

MCCOOL, ALEXANDER A.

SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE-93-4A] P93-10005 06

SECOND GERMAN SPACELAB MISSION IS SPACE SHUTTLE'S 54TH FLIGHT
[NASA RELEASE-93-20] P93-10021 06

STS-56 MISSION CONTINUES NASA'S MISSION TO PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57 SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

MCDONALD, FRANK B.

PIONEER CELEBRATES 10 YEARS BEYOND THE KNOWN SOLAR PLANETS
[NASA RELEASE-93-110] P93-10111 06

MCDONOUGH, GEORGE

SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE-93-4A] P93-10005 06

SECOND GERMAN SPACELAB MISSION IS SPACE SHUTTLE'S 54TH FLIGHT
[NASA RELEASE-93-20] P93-10021 06

STS-56 MISSION CONTINUES NASA'S MISSION TO PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57 SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

MCEWEN, ALFRED

CLEMENTINE MISSION SCIENCE TEAM SELECTED
[NASA RELEASE-93-66] P93-10067 06

MCGINNIS, VINCE

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57 SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

MCGUNIGAL, THOMAS E.

NASA/NOAA PANEL TO INVESTIGATE NOAA-13 FAILURE
[NASA RELEASE-93-154] P93-10155 06

MCKENZIE, SIMON

NASA JOINS FORCES WITH INDUSTRY IN AIDS RESEARCH
[NASA RELEASE-93-88] P93-10089 06

MCLEROY, JAMES

STS-56 MISSION CONTINUES NASA'S MISSION TO PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06

MCMONAGLE, DONALD R.

FIRST 1993 SHUTTLE MISSION DEMONSTRATES UNIQUE CAPABILITIES
[NASA RELEASE-93-4] P93-10004 06

SPACE SHUTTLE MISSION: STS-54

[NASA RELEASE-93-4A] P93-10005 06

MCNUITY, TIM

NASA, OTHER AGENCIES TO EXPLAIN TECHNOLOGY REINVESTMENT
[NASA RELEASE-93-65] P93-10066 06

MCCUTT, RALPH

VOYAGER SPACECRAFT FIND CLUE TO ANOTHER SOLAR SYSTEM MYSTERY
[NASA RELEASE-93-99] P93-10100 06

MCRUER, DUANE

SPACE STATION REDESIGN ADVISORY MEMBERS NAMED
[NASA RELEASE-93-59] P93-10060 06

MEADE, CARL J.

PROTEIN CRYSTAL GROWTH RESEARCH TAKES STEP TOWARD NEW DRUGS
[NASA RELEASE-93-166] P93-10167 06

MEUDE, STEPHEN B.

NASA SELECTS UPPER ATMOSPHERE INVESTIGATORS
[NASA RELEASE-93-123] P93-10124 06

MERTZ, CHARLES

SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE-93-4A] P93-10005 06

SECOND GERMAN SPACELAB MISSION IS SPACE SHUTTLE'S 54TH FLIGHT
[NASA RELEASE-93-20] P93-10021 06

STS-56 MISSION CONTINUES NASA'S MISSION TO PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57 SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

MEWALDT, RICHARD

SCIENTISTS LOCATE NEW RADIATION BELT AROUND EARTH
[NASA RELEASE-93-94] P93-10095 06

MEYERS, ROBERT R., JR.

SECOND GERMAN SPACELAB MISSION IS SPACE SHUTTLE'S 54TH FLIGHT
[NASA RELEASE-93-20] P93-10021 06

STS-56 MISSION CONTINUES NASA'S MISSION TO PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57 SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

MEYLAN, THOMAS

SATELLITE DATA GET NEW LEASE ON LIFE FROM SOFTWARE BOOST
[NASA RELEASE-93-164] P93-10165 06

MICHALITSANOS, ANDREW G.

SATELLITE DATA GET NEW LEASE ON LIFE FROM SOFTWARE BOOST
[NASA RELEASE-93-164] P93-10165 06

MICHENER, JAMES

NASA TO FEATURE VIDEOWALL AT PARIS AIR SHOW
[NASA RELEASE-93-92] P93-10093 06

MIDDENDORF, WILLIAM J.

NASA/NOAA PANEL TO INVESTIGATE NOAA-13 FAILURE
[NASA RELEASE-93-154] P93-10155 06

MILLER, DAN

NATIONAL TECHNOLOGY AND EDUCATION INITIATIVES LAUNCHED
[NASA RELEASE-93-158] P93-10159 06

MILLER, TIMOTHY

MILLER, TIMOTHY

STS-56 MISSION CONTINUES NASA'S MISSION TO
PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06

MILLS, MIKE

NASA PRESS CONFERENCE: SPACE STATION
REDESIGN; NASA HEADQUARTERS BUILDING,
WASHINGTON, DC P93-10233 05

MINNIS, PATRICK

MT. PINATUBO ERUPTION CAUSES TEMPORARY
COOLING OF EARTH
[NASA RELEASE-93-41] P93-10042 06

MINOTT, PETER O.

NASA SELECTS FLIGHT TECHNOLOGY
PROPOSALS
[NASA RELEASE-93-186] P93-10187 06

MIRYEKTA, RAY

NASA SELECTS FLIGHT TECHNOLOGY
PROPOSALS
[NASA RELEASE-93-186] P93-10187 06

MISENER, GARLAND C.

SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE-93-4A] P93-10005 06

MITCHELL, JIM

SCIENTISTS FORESEE STRENGTHENING EL NINO
EVENT
[NASA RELEASE-93-39] P93-10040 06

TOPEX/POSEIDON DATA CONFIRMS EL NINO
PREDICTIONS
[NASA RELEASE-93-205] P93-10206 06

MITCHELL, JONI

NEW YORK TIMES INTERVIEW P93-10242 05

MIZUKAMI, MASASHI

NASA OSHKOSH EXHIBIT HIGHLIGHTS U.S.
'LEADERSHIP IN AERONAUTICS'
[NASA RELEASE-93-128] P93-10129 06

MOCKAPETRIS, PAUL

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

MOLLOHAN, ALAN B.

NATIONAL TECHNOLOGY AND EDUCATION
INITIATIVES LAUNCHED
[NASA RELEASE-93-158] P93-10159 06

MOLOT, ANDREW

NASA PRESS CONFERENCE: SPACE STATION
REDESIGN; NASA HEADQUARTERS BUILDING,
WASHINGTON, DC P93-10233 05

MONTANARELLI, NICK

TECHNOLOGY TRANSFER CENTER TO WORK WITH
SDIO TO AID INDUSTRY
[NASA RELEASE-93-77] P93-10078 06

MONTROYA, EARL

STS-56 MISSION CONTINUES NASA'S MISSION TO
PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06

MOODY, SARAH

NASA SPACE SUIT AND MEDICAL TECHNOLOGIES
HONORED
[NASA RELEASE-93-69] P93-10070 06

MOOREHEAD, ROBERT

SPACE STATION ORGANIZATION CHANGES
ANNOUNCED
[NASA RELEASE-93-136] P93-10137 06

MORATA, LARRY

SPACE STATION FREEDOM PROPULSION FIRING
TESTS UNDERWAY
[NASA RELEASE-93-7] P93-10008 06

MORAVEC, HANS

NASA/OHIO AEROSPACE INSTITUTE TO HOST
CYBERSPACE CONFERENCE
[NASA RELEASE-93-50] P93-10051 06

MOREY-HOLTON, EMILY R.

STS-56 MISSION CONTINUES NASA'S MISSION TO
PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06

STS-58 SECOND SPACELAB MISSION DEDICATED
TO LIFE SCIENCES P93-10136 06

SHUTTLE RAT EXPERIMENT YIELDS UNEXPECTED
RESULTS
[NASA RELEASE-93-181] P93-10182 06

MORGAN, JOANNE H.

SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE-93-4A] P93-10005 06

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

MORSE, GARY A.

SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE-93-4A] P93-10005 06

MOSAKOWSKI, GEORGE

GOLDIN CALLS FOR IMPROVED TECHNOLOGY
TRANSFER TO INDUSTRY
[NASA RELEASE-93-9] P93-10010 06

MOSS, QUINTON E.

STUDENTS BEGIN NASA LIFE SCIENCES TRAINING
PROGRAM
[NASA RELEASE-93-117] P93-10118 06

MOSS, ROBERT W.

NASA BOARD TO INVESTIGATE STS-51 HARDWARE
PROBLEM
[NASA RELEASE-93-184] P93-10185 06

MOULD, JEREMY

HUBBLE CLOSING IN ON AGE OF THE UNIVERSE
[NASA RELEASE-93-108] P93-10109 06

MOUNT, FRANCES E.

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

MOYER, RICHARD H.

NASA SELECTS FLIGHT TECHNOLOGY
PROPOSALS
[NASA RELEASE-93-186] P93-10187 06

MULCHAEY, JOHN S.

MYSTERIOUS CONCENTRATION OF DARK MATTER
DISCOVERED
[NASA RELEASE-93-1] P93-10001 06

MUMFORD, KYMBERLI A.

STUDENTS BEGIN NASA LIFE SCIENCES TRAINING
PROGRAM
[NASA RELEASE-93-117] P93-10118 06

MUN, SEONG K.

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

MURPHY, JAMES

NASA/NOAA PANEL TO INVESTIGATE NOAA-13
FAILURE
[NASA RELEASE-93-154] P93-10155 06

MURRAH, BASCOM W.

SECOND GERMAN SPACELAB MISSION IS SPACE
SHUTTLE'S 54TH FLIGHT
[NASA RELEASE-93-20] P93-10021 06

MURRAY, BRUCE

NASA NAMES TEAM TO STUDY RETURN TRIP TO
MARS
[NASA RELEASE-93-157] P93-10158 06

MUSGRAVE, FRANKLIN STORY

FIVE SPACEWALKS TO SERVICE HUBBLE SPACE
TELESCOPE HIGHLIGHTS SHUTTLE MISSION STS-61
[NASA RELEASE-93-204] P93-10205 06

MUTUAL BROADCASTING SYSTEM'S 'THE LARRY
KING SHOW': INTERVIEW WITH DAN GOLDIN
P93-10249 05

MUSGRAVE, MARY

SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE-93-4A] P93-10005 06

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

MUSHOTZKY, RICHARD F.

MYSTERIOUS CONCENTRATION OF DARK MATTER
DISCOVERED
[NASA RELEASE-93-1] P93-10001 06

MYSTERY OF 'FASTEST FLICKERING' GALAXY
SOLVED
[NASA RELEASE-93-192] P93-10193 06

MYERS, MICHAEL

TWENTY NATIONAL STUDENT WINNERS HONORED
IN WASHINGTON
[NASA RELEASE-93-175] P93-10176 06

PERSONAL NAMES INDEX

N

NAGEL, STEVEN R.

SECOND GERMAN SPACELAB MISSION IS SPACE
SHUTTLE'S 54TH FLIGHT
[NASA RELEASE-93-20] P93-10021 06

NANZETTA, PHIL

NEW TECHNOLOGY REINVESTMENT PROJECT
SEMINAR SET FOR APRIL 1
[NASA RELEASE-93-57] P93-10058 06

NEAT, GREGORY W.

NASA SELECTS FLIGHT TECHNOLOGY
PROPOSALS
[NASA RELEASE-93-186] P93-10187 06

NELLESSEN, W.

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

NELSON, ROBERT

NASA SELECTS 11 DISCOVERY MISSION CONCEPTS
FOR STUDY
[NASA RELEASE-93-27] P93-10028 06

NELSON, RONALD S.

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

NEUDECK, PHILIP G.

NASA ANNOUNCES NEW SEMICONDUCTOR
GROWTH PROCESS
[NASA RELEASE-93-200] P93-10201 06

NEWCOMB, WAYNE

NASA HELPS PROVIDE FAMINE EARLY WARNING
FOR AFRICA
[NASA RELEASE-93-213] P93-10214 06

NEWMAN, JAMES H.

SPACEWALK ADDED TO JULY SPACE SHUTTLE
FLIGHT
[NASA RELEASE-93-21] P93-10022 06

NEWMAN, RAYMOND

SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE-93-4A] P93-10005 06

NEWTON, GEORGE

SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE-93-4A] P93-10005 06

NEWTON, LEMUEL H.

STUDENTS BEGIN NASA LIFE SCIENCES TRAINING
PROGRAM
[NASA RELEASE-93-117] P93-10118 06

NICHOLS-BOHLIN, JOY

SATELLITE DATA GET NEW LEASE ON LIFE FROM
SOFTWARE BOOST
[NASA RELEASE-93-164] P93-10165 06

NICHOLSON, LEONARD

SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE-93-4A] P93-10005 06

SECOND GERMAN SPACELAB MISSION IS SPACE
SHUTTLE'S 54TH FLIGHT
[NASA RELEASE-93-20] P93-10021 06

STS-56 MISSION CONTINUES NASA'S MISSION TO
PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06

PEARSON ANNOUNCES SHUTTLE PROGRAM
ADJUSTMENTS
[NASA RELEASE-93-49] P93-10050 06

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

HST SERVICING MISSION HIGHLIGHTS 1993 NASA
ACCOMPLISHMENTS
[NASA RELEASE-93-226] P93-10227 06

NICOGOSSIAN, ARNAULD E.

ORGANIZATIONAL CHANGES TO ENHANCE
PROGRAMS, RELATIONS
[NASA RELEASE-93-44] P93-10045 06

NICOLLIER, CLAUDE

FIVE SPACEWALKS TO SERVICE HUBBLE SPACE
TELESCOPE HIGHLIGHTS SHUTTLE MISSION STS-61
[NASA RELEASE-93-204] P93-10205 06

NIETO, JEAN-LUC

HUBBLE FINDS A DOUBLE NUCLEUS IN THE
ANDROMEDA GALAXY
[NASA RELEASE-93-133] P93-10134 06

NGUYEN, QUOC

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

O

O'CONNELL, JIM

NASA PRESS CONFERENCE: SPACE STATION
REDESIGN; NASA HEADQUARTERS BUILDING,
WASHINGTON, DC P93-10233 05

O'CONNOR, BRYAN D.

SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE-93-4A] P93-10005 06

SECOND GERMAN SPACELAB MISSION IS SPACE
SHUTTLE'S 54TH FLIGHT
[NASA RELEASE-93-20] P93-10021 06

STS-56 MISSION CONTINUES NASA'S MISSION TO
PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

STATION REDESIGN TEAM TO SUBMIT FINAL
REPORT
[NASA RELEASE-93-104] P93-10105 06

TWO ASTRONAUTS APPOINTED TO
HEADQUARTERS POSITIONS
[NASA RELEASE-93-120] P93-10121 06

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

GOLDIN ANNOUNCES KEY SPACE STATION
MANAGEMENT MOVES
[NASA RELEASE-93-191] P93-10192 06

HST SERVICING MISSION HIGHLIGHTS 1993 NASA
ACCOMPLISHMENTS
[NASA RELEASE-93-226] P93-10227 06

NASA PRESS CONFERENCE: SPACE STATION
REDESIGN; NASA HEADQUARTERS BUILDING,
WASHINGTON, DC P93-10233 05

O'HARA, DEE

NASA STUDY MAY HELP REDUCE
LIGHTEADEDNESS AFTER SPACE FLIGHT
[NASA RELEASE-93-30] P93-10031 06

O'SHEVIS, BARBARA

NASA PRESS CONFERENCE: SPACE STATION
REDESIGN; NASA HEADQUARTERS BUILDING,
WASHINGTON, DC P93-10233 05

OCHOA, ELLEN

STS-56 MISSION CONTINUES NASA'S MISSION TO
PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06

PAYLOAD COMMANDERS NAMED FOR FUTURE
SHUTTLE MISSIONS
[NASA RELEASE-93-140] P93-10141 06

OIE, TERRENCE M.

TWENTY NATIONAL STUDENT WINNERS HONORED
IN WASHINGTON
[NASA RELEASE-93-175] P93-10176 06

OLESEN, DOUGLAS

LEWIS, CASE, BATTELLE TO COMMERCIALIZE NASA
INVENTIONS
[NASA RELEASE-93-91] P93-10092 06

OLSEN, EDWARD

NASA USES NEW METHOD TO DETECT NEW STARS
AND PLANETS
[NASA RELEASE-93-106] P93-10107 06

ONEIL, WILLIAM J.

HEADING FOR JUPITER, GALILEO TO ENCOUNTER
ITS SECOND ASTEROID
[NASA RELEASE-93-149] P93-10150 06

OSEGUERA, ROSA

NASA, FAA CONSIDER REVISED WINDSHEAR
PILOTING PROCEDURES
[NASA RELEASE-93-171] P93-10172 06

OSWALD, STEPHEN S.

STS-56 MISSION CONTINUES NASA'S MISSION TO
PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06

OTT, RICHARD H.

SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE-93-4A] P93-10005 06

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

OWEN, TOBIAS

NITROGEN ICE DISCOVERED ON PLUTO
[NASA RELEASE-93-142] P93-10143 06

IO'S 'GHOST' DETECTED ON JUPITER
[NASA RELEASE-93-208] P93-10209 06

OWENS, FRANK

NATIONAL TECHNOLOGY AND EDUCATION
INITIATIVES LAUNCHED
[NASA RELEASE-93-158] P93-10159 06

P

PADDOCK, STEVE

NASA NAMES TEAM TO STUDY RETURN TRIP TO
MARS
[NASA RELEASE-93-157] P93-10158 06

PAIGE, DAVID A.

NASA SELECTS 11 DISCOVERY MISSION CONCEPTS
FOR STUDY
[NASA RELEASE-93-27] P93-10028 06

PAIK, HO JUNG

NASA SELECTS FLIGHT TECHNOLOGY
PROPOSALS
[NASA RELEASE-93-186] P93-10187 06

PANDELIDES, JOHN

NASA/NOAA PANEL TO INVESTIGATE NOAA-13
FAILURE
[NASA RELEASE-93-154] P93-10155 06

PARESCE, FRANCESCO

HUBBLE FINDS EVIDENCE OF STELLAR CLOSE
ENCOUNTERS
[NASA RELEASE-93-109] P93-10110 06

HUBBLE SEES GAS SHELL AROUND NOVA CYGNI
1992
[NASA RELEASE-93-174] P93-10175 06

PARKINSON, BRAD

SPACE STATION REDESIGN ADVISORY MEMBERS
NAMED
[NASA RELEASE-93-59] P93-10060 06

PARRISH, AL J.

SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE-93-4A] P93-10005 06

SECOND GERMAN SPACELAB MISSION IS SPACE
SHUTTLE'S 54TH FLIGHT
[NASA RELEASE-93-20] P93-10021 06

STS-56 MISSION CONTINUES NASA'S MISSION TO
PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

PASSMORE, LISA J.

STUDENTS BEGIN NASA LIFE SCIENCES TRAINING
PROGRAM
[NASA RELEASE-93-117] P93-10118 06

PASTERNAK, SUSAN

NASA, OTHER AGENCIES TO EXPLAIN
TECHNOLOGY REINVESTMENT
[NASA RELEASE-93-65] P93-10066 06

PATTERSON, TAMULA M.

STUDENTS BEGIN NASA LIFE SCIENCES TRAINING
PROGRAM
[NASA RELEASE-93-117] P93-10118 06

PAUL, DILIP

NASA SELECTS FLIGHT TECHNOLOGY
PROPOSALS
[NASA RELEASE-93-186] P93-10187 06

PEACH, LEWIS, JR.

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

PEACOCK, DENNIS

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

PEARSON, JEREMIAH W., III

SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE-93-4A] P93-10005 06

SECOND GERMAN SPACELAB MISSION IS SPACE
SHUTTLE'S 54TH FLIGHT
[NASA RELEASE-93-20] P93-10021 06

STS-56 MISSION CONTINUES NASA'S MISSION TO
PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06

PEARSON ANNOUNCES SHUTTLE PROGRAM
ADJUSTMENTS
[NASA RELEASE-93-49] P93-10050 06

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

NASA BOARD TO INVESTIGATE STS-51 HARDWARE
PROBLEM
[NASA RELEASE-93-184] P93-10185 06

GOLDIN ANNOUNCES KEY SPACE STATION
MANAGEMENT MOVES
[NASA RELEASE-93-191] P93-10192 06

HST SERVICING MISSION HIGHLIGHTS 1993 NASA
ACCOMPLISHMENTS
[NASA RELEASE-93-226] P93-10227 06

NASA BUDGET BRIEFING; NASA HEADQUARTERS,
WASHINGTON, DC P93-10234 05

NASA INTERVIEW WITH BILL BROAD, NEW YORK
TIMES SCIENCE WRITER P93-10241 05

PEDDICORD, KENNETH LEE

JSC DIRECTOR COHEN ANNOUNCES RETIREMENT
[NASA RELEASE-93-131] P93-10132 06

PRESS CONFERENCE; JOHNSON SPACE CENTER,
HOUSTON, TEXAS P93-10239 05

PENARANDA, FRANK

TECHNOLOGY TRANSFER CENTER TO WORK WITH
SDIO TO AID INDUSTRY
[NASA RELEASE-93-77] P93-10078 06

PEREZ, MARIO

SATELLITE DATA GET NEW LEASE ON LIFE FROM
SOFTWARE BOOST
[NASA RELEASE-93-164] P93-10165 06

PERRY, RICHARD

SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE-93-4A] P93-10005 06

SECOND GERMAN SPACELAB MISSION IS SPACE
SHUTTLE'S 54TH FLIGHT
[NASA RELEASE-93-20] P93-10021 06

STS-56 MISSION CONTINUES NASA'S MISSION TO
PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

PETERSON, BARRY W.

NASA AND NIDCD SELECT VESTIBULAR RESEARCH
CENTER
[NASA RELEASE-93-111] P93-10112 06

PETERSON, CARL

MUTUAL BROADCASTING SYSTEM'S 'THE LARRY
KING SHOW': INTERVIEW WITH DAN GOLDIN
P93-10249 05

PETERSON, LEE

NASA SELECTS FLIGHT TECHNOLOGY
PROPOSALS
[NASA RELEASE-93-186] P93-10187 06

PETERSON, MALCOLM L.

MALCOLM PETERSON APPOINTED NASA ACTING
COMPTROLLER
[NASA RELEASE-93-112] P93-10113 06

PETERSON, VICTOR L.

PERSONAL NAMES INDEX

PETERSON, VICTOR L.

SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE-93-4A] P93-10005 06
FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06
FASTEST SUPERCOMPUTER CAN BOOST U.S.
AEROSPACE INDUSTRY
[NASA RELEASE-93-80] P93-10081 06
ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

PHELPS, JAMES R.

SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE-93-4A] P93-10005 06
SECOND GERMAN SPACELAB MISSION IS SPACE
SHUTTLE'S 54TH FLIGHT
[NASA RELEASE-93-20] P93-10021 06
STS-56 MISSION CONTINUES NASA'S MISSION TO
PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06
FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06
ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

PHILIP, WARREN H.

LEWIS SPACE RESEARCH SPAWNS WATER
PURIFICATION SYSTEM
[NASA RELEASE-93-86] P93-10087 06
UNIQUE CHEMICAL PROCESS COULD IMPROVE
CERAMIC MATERIALS
[NASA RELEASE-93-143] P93-10144 06

PHILLIPS, JOHN

ULYSSES REACHES UNEXPLORED REGIONS OF
SUN
[NASA RELEASE-93-217] P93-10218 06

PIETERS, CARLE

CLEMENTINE MISSION SCIENCE TEAM SELECTED
[NASA RELEASE-93-66] P93-10067 06

PIOTROWSKI, WILLIAM

NASA BEGINS DEVELOPMENT OF FIRST
ASTEROID-ORBITING MISSION
[NASA RELEASE-93-220] P93-10221 06

PIVIROTTI, DONNA

NASA NAMES TEAM TO STUDY RETURN TRIP TO
MARS
[NASA RELEASE-93-157] P93-10158 06

PLETT, GARY

JPL TEAM DEVELOPS SPECIAL POLLUTION
DETECTION GLASS
[NASA RELEASE-93-209] P93-10210 06

POHL, HENRY O.

SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE-93-4A] P93-10005 06
SECOND GERMAN SPACELAB MISSION IS SPACE
SHUTTLE'S 54TH FLIGHT
[NASA RELEASE-93-20] P93-10021 06
STS-56 MISSION CONTINUES NASA'S MISSION TO
PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06
PEARSON ANNOUNCES SHUTTLE PROGRAM
ADJUSTMENTS
[NASA RELEASE-93-49] P93-10050 06
FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06
ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

POMALES-CRESPO, ENRIQUE

STUDENTS BEGIN NASA LIFE SCIENCES TRAINING
PROGRAM
[NASA RELEASE-93-117] P93-10118 06

PORCO, CAROLYN

NASA NAMES TEAM TO STUDY RETURN TRIP TO
MARS
[NASA RELEASE-93-157] P93-10158 06

POTTER, CHRISTOPHER

NASA SCIENTISTS CREATE EARTH BREATHING
IMAGE
[NASA RELEASE-93-223] P93-10224 06

POWELL, J. ANTHONY

NASA ANNOUNCES NEW SEMICONDUCTOR
GROWTH PROCESS
[NASA RELEASE-93-200] P93-10201 06

POWELL, JACK

STS-56 MISSION CONTINUES NASA'S MISSION TO
PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06

POZESKY, MARTY

NASA, FAA PROGRAM COULD SAVE AIRLINES
MILLIONS OF DOLLARS
[NASA RELEASE-93-127] P93-10128 06

PRECOURT, CHARLES J.

SECOND GERMAN SPACELAB MISSION IS SPACE
SHUTTLE'S 54TH FLIGHT
[NASA RELEASE-93-20] P93-10021 06

PRIBISICH, RISTO

NASA SELECTS FLIGHT TECHNOLOGY
PROPOSALS
[NASA RELEASE-93-186] P93-10187 06

PROUTY, CLARKE

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

PROVOST, DAVID E.

MINORITY CONTRACTORS OF THE YEAR AWARDS
ANNOUNCED
[NASA RELEASE-93-177] P93-10178 06

PURCELL, THOMAS

LEWIS, CASE, BATTELLE TO COMMERCIALIZE NASA
INVENTIONS
[NASA RELEASE-93-91] P93-10092 06

Q

QUAYLE, DAN

STAFFORD RECEIVES CONGRESSIONAL SPACE
MEDAL OF HONOR
[NASA RELEASE-93-14] P93-10015 06

QUINN, MARTHA

NASA, OTHER AGENCIES TO EXPLAIN
TECHNOLOGY REINVESTMENT
[NASA RELEASE-93-85] P93-10066 06

R

RAHE, JURGEN H.

NASA BEGINS DEVELOPMENT OF FIRST
ASTEROID-ORBITING MISSION
[NASA RELEASE-93-220] P93-10221 06

RASMUSSEN, DARRYL

ANTARCTIC TO BECOME LABORATORY FOR
FUTURE MARS MISSIONS
[NASA RELEASE-93-178] P93-10179 06

RAUSCH, VINCENT L.

NASA BOOSTS HYPERSONIC RESEARCH WITH
UNIVERSITY GRANTS
[NASA RELEASE-93-152] P93-10153 06

RAY, RONALD

NASA SAVES \$1 MILLION ON AERONAUTICS
RESEARCH PROJECT
[NASA RELEASE-93-35] P93-10036 06

READDY, WILLIAM F.

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

REAGAN, RONALD

REMARKS PREPARED FOR DELIVERY: TO BOLDLY
GO - GIVING THOUGHT TO WHAT COMES NEXT IN
SPACE; NATIONAL SPACE CLUB SPACE OUTLOOK
CONFERENCE, FAIRFAX, VIRGINIA P93-10238 05

RECER, PAUL

NASA BUDGET BRIEFING; NASA HEADQUARTERS,
WASHINGTON, DC P93-10234 05

RECK, GREGORY M.

SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE-93-4A] P93-10005 06
ORGANIZATIONAL CHANGES TO ENHANCE
PROGRAMS, RELATIONS
[NASA RELEASE-93-44] P93-10045 06

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

NASA MODIFIES FUNDING SUPPORT FOR CENTERS
FOR COMMERCIAL DEVELOPMENT
[NASA RELEASE-93-225] P93-10226 06

REID, LONNIE

NASA RESEARCHER TAPPED FOR OHIO SCIENCE
HALL OF FAME
[NASA RELEASE-93-23] P93-10024 06

REIGHTLER, KENNETH S., JR.

PRIME AND BACKUP COSMONAUTS NAMED FOR
SHUTTLE STS-60 MISSION
[NASA RELEASE-93-61] P93-10062 06

REYNOLDS-SOHNREY, KRISTINE

STUDENTS BEGIN NASA LIFE SCIENCES TRAINING
PROGRAM
[NASA RELEASE-93-117] P93-10118 06

RHOME, ROBERT

SECOND GERMAN SPACELAB MISSION IS SPACE
SHUTTLE'S 54TH FLIGHT
[NASA RELEASE-93-20] P93-10021 06

RICHARD, SUE MATHIS

VINCENT NAMED ACTING PUBLIC AFFAIRS HEAD
[NASA RELEASE-93-15] P93-10016 06

RICHARDSON, HERBERT H.

JSC DIRECTOR COHEN ANNOUNCES RETIREMENT
[NASA RELEASE-93-131] P93-10132 06

RICHSTONE, DOUGLAS O.

HUBBLE FINDS A DOUBLE NUCLEUS IN THE
ANDROMEDA GALAXY
[NASA RELEASE-93-133] P93-10134 06

RICKER, GEORGE

ASTRO-D MISSION TO LAUNCH TONIGHT IN
JAPAN
[NASA RELEASE-93-28] P93-10029 06

RIDDLEBAUGH, STEPHEN

NASA OSHKOSH EXHIBIT HIGHLIGHTS U.S.
'LEADERSHIP IN AERONAUTICS'
[NASA RELEASE-93-128] P93-10129 06

RIDINGS, ROBERT

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

RIEGERT, PETER

MUTUAL BROADCASTING SYSTEM'S 'THE LARRY
KING SHOW': INTERVIEW WITH DAN GOLDIN
P93-10249 05

RILEY, DANNY A.

STS-58 SECOND SPACELAB MISSION DEDICATED
TO LIFE SCIENCES P93-10136 06

RIVENBURGH, CHARLES

LEWIS, CASE, BATTELLE TO COMMERCIALIZE NASA
INVENTIONS
[NASA RELEASE-93-91] P93-10092 06

RIVERS, LEE W.

TECHNOLOGY TRANSFER CENTER TO WORK WITH
SDIO TO AID INDUSTRY
[NASA RELEASE-93-77] P93-10078 06

NATIONAL TECHNOLOGY AND EDUCATION
INITIATIVES LAUNCHED
[NASA RELEASE-93-158] P93-10159 06

ROBERSON, N. DORIS

MINORITY CONTRACTORS OF THE YEAR AWARDS
ANNOUNCED
[NASA RELEASE-93-177] P93-10178 06

ROBERSON, RICK J.

NASA SELECTS FLIGHT TECHNOLOGY
PROPOSALS
[NASA RELEASE-93-186] P93-10187 06

ROBERT, CARMELLE

HUBBLE LOOKS AT THE HEART OF A GALAXY
COLLISION
[NASA RELEASE-93-97] P93-10098 06

ROBERTS, W. EUGENE

STS-56 MISSION CONTINUES NASA'S MISSION TO
PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06

PERSONAL NAMES INDEX

ROBINSON, MICHAEL

SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE-93-4A] P93-10005 06

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

RODDENBERRY, GENE

NASA PRESENTS PUBLIC SERVICE MEDAL TO GENE
RODDENBERRY
[NASA RELEASE-93-19] P93-10020 06

RODDENBERRY, MAJEL BARRETT

NASA PRESENTS PUBLIC SERVICE MEDAL TO GENE
RODDENBERRY
[NASA RELEASE-93-19] P93-10020 06

ROGERS, A. C.

NASA SELECTS FLIGHT TECHNOLOGY
PROPOSALS
[NASA RELEASE-93-186] P93-10187 06

ROSEN, EUGENE

NASA CO-SPONSORS HIGH-TECH SMALL BUSINESS
CONFERENCE
[NASA RELEASE-93-29] P93-10030 06

ROSENTHAL, HARRY

NASA PRESS CONFERENCE: SPACE STATION
REDESIGN; NASA HEADQUARTERS BUILDING,
WASHINGTON, DC P93-10233 05

ROSEWICZ, BARBARA

NASA BUDGET BRIEFING; NASA HEADQUARTERS,
WASHINGTON, DC P93-10234 05

ROSS, JERRY L.

SECOND GERMAN SPACELAB MISSION IS SPACE
SHUTTLE'S 54TH FLIGHT
[NASA RELEASE-93-20] P93-10021 06

ROSS, LAWRENCE J.

LEWIS, CASE, BATTELLE TO COMMERCIALIZE NASA
INVENTIONS
[NASA RELEASE-93-91] P93-10092 06

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

NASA PRESS CONFERENCE: SPACE STATION
REDESIGN; NASA HEADQUARTERS BUILDING,
WASHINGTON, DC P93-10233 05

ROSS, MURIEL

STS-58 SECOND SPACELAB MISSION DEDICATED
TO LIFE SCIENCES P93-10136 06

ROTHENBERG, JOSEPH

HUBBLE INSTRUMENT MAY RECEIVE FURTHER
TESTING
[NASA RELEASE-93-169] P93-10170 06

ROUSH, TED

NITROGEN ICE DISCOVERED ON PLUTO
[NASA RELEASE-93-142] P93-10143 06

ROXBY, DON

NASA-INDUSTRY EFFORT BOOSTS AUTOMATED
PARTS ID SYSTEM
[NASA RELEASE-93-218] P93-10219 06

ROXBY, MEGHAN V.

STUDENTS BEGIN NASA LIFE SCIENCES TRAINING
PROGRAM
[NASA RELEASE-93-117] P93-10118 06

RUBENSTEIN, MOSHE

NASA INTERVIEW WITH BILL BROAD, NEW YORK
TIMES SCIENCE WRITER P93-10241 05

RUMMEL, JOHN

ANTARCTIC TO BECOME LABORATORY FOR
FUTURE MARS MISSIONS
[NASA RELEASE-93-178] P93-10179 06

RUNCO, MARIO, JR.

FIRST 1993 SHUTTLE MISSION DEMONSTRATES
UNIQUE CAPABILITIES
[NASA RELEASE-93-4] P93-10004 06

SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE-93-4A] P93-10005 06

RUND, RAYMOND

LEWIS, CASE, BATTELLE TO COMMERCIALIZE NASA
INVENTIONS
[NASA RELEASE-93-91] P93-10092 06

RUSCH, DAVID W.

NASA SELECTS UPPER ATMOSPHERE
INVESTIGATORS
[NASA RELEASE-93-123] P93-10124 06

RUSSELL, JAMES M.

NASA SELECTS UPPER ATMOSPHERE
INVESTIGATORS
[NASA RELEASE-93-123] P93-10124 06

RUTLAND, CARY H.

SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE-93-4A] P93-10005 06

SECOND GERMAN SPACELAB MISSION IS SPACE
SHUTTLE'S 54TH FLIGHT
[NASA RELEASE-93-20] P93-10021 06

STS-56 MISSION CONTINUES NASA'S MISSION TO
PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

S

SACCO, ALBERT, JR.

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

SAGAN, CARL

NASA TO FEATURE VIDEOWALL AT PARIS AIR
SHOW
[NASA RELEASE-93-92] P93-10093 06

NASA NAMES TEAM TO STUDY RETURN TRIP TO
MARS
[NASA RELEASE-93-157] P93-10158 06

SAGDEEV, ROALD

NASA TO FEATURE VIDEOWALL AT PARIS AIR
SHOW
[NASA RELEASE-93-92] P93-10093 06

SAHM, PETER

SECOND GERMAN SPACELAB MISSION IS SPACE
SHUTTLE'S 54TH FLIGHT
[NASA RELEASE-93-20] P93-10021 06

SALAMA, FARID

NASA SCIENTISTS SOLVE LONG-STANDING
STELLAR MYSTERY
[NASA RELEASE-93-25] P93-10026 06

EVIDENCE FOR SOLID WATER FOUND ON
JUPITER'S MOON IO
[NASA RELEASE-93-107] P93-10108 06

SALUTE, JOAN

NASA AND CALIFORNIA WINE GROWERS JOINTLY
BATTLE PEST DAMAGE
[NASA RELEASE-93-55] P93-10056 06

SAMMONS, DAVID W.

SECOND GERMAN SPACELAB MISSION IS SPACE
SHUTTLE'S 54TH FLIGHT
[NASA RELEASE-93-20] P93-10021 06

SAMOS, JOHN

NASA SPACE SUIT AND MEDICAL TECHNOLOGIES
HONORED
[NASA RELEASE-93-69] P93-10070 06

SANDFORD, SCOTT

DIAMONDS IN THE SKY CHALLENGE GALAXY
EVOLUTION THEORIES
[NASA RELEASE-93-58] P93-10059 06

EVIDENCE FOR SOLID WATER FOUND ON
JUPITER'S MOON IO
[NASA RELEASE-93-107] P93-10108 06

FROZEN MOLECULAR HYDROGEN DISCOVERED IN
STELLAR NURSERY
[NASA RELEASE-93-187] P93-10188 06

SANDFORD, STEPHEN P.

NASA SELECTS FLIGHT TECHNOLOGY
PROPOSALS
[NASA RELEASE-93-186] P93-10187 06

SANFORD, BILL

LEWIS, CASE, BATTELLE TO COMMERCIALIZE NASA
INVENTIONS
[NASA RELEASE-93-91] P93-10092 06

SCHOENFELDER, VOLKER

SANTO, ANDREW

NASA BEGINS DEVELOPMENT OF FIRST
ASTEROID-ORBITING MISSION
[NASA RELEASE-93-220] P93-10221 06

SARGENT, WALLACE L. W.

HUBBLE SUPPORTS BLACK HOLE MODEL FOR
ACTIVE GALAXIES
[NASA RELEASE-93-130] P93-10131 06

SATO, TAKEHIKO

IO'S 'GHOST' DETECTED ON JUPITER
[NASA RELEASE-93-208] P93-10209 06

SAUCIER, SID

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

SAUNDERS, R. STEPHEN

MAGELLAN TO TEST AEROBRACING MANEUVER IN
VENUS ATMOSPHERE
[NASA RELEASE-93-89] P93-10090 06

MAGELLAN AEROBRACING, GRAVITY STUDIES
UNDERWAY
[NASA RELEASE-93-98] P93-10099 06

MAGELLAN AEROBRACING AT VENUS A SUCCESS
[NASA RELEASE-93-144] P93-10145 06

SAVAGE, PAUL D., JR.

SHUTTLE MISSION TO CONDUCT SCIENTIFIC
FIRST
[NASA RELEASE-93-173] P93-10174 06

SAWYER, KATHY

NASA BUDGET BRIEFING; NASA HEADQUARTERS,
WASHINGTON, DC P93-10234 05

NEW YORK TIMES INTERVIEW P93-10242 05

SCANLON, CHARLES H.

COCKPIT WEATHER SYSTEM MAY SAVE AIRLINES
\$6 MILLION PER YEAR
[NASA RELEASE-93-194] P93-10195 06

SCHAEFER, TOM J.

TWENTY NATIONAL STUDENT WINNERS HONORED
IN WASHINGTON
[NASA RELEASE-93-175] P93-10176 06

SCHEPPERS, LISA A.

STUDENTS BEGIN NASA LIFE SCIENCES TRAINING
PROGRAM
[NASA RELEASE-93-117] P93-10118 06

SCHERTLER, RONALD J.

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

SCHLEGEL, HANS WILLIAM

SECOND GERMAN SPACELAB MISSION IS SPACE
SHUTTLE'S 54TH FLIGHT
[NASA RELEASE-93-20] P93-10021 06

SCHLICKENMAIER, HERBERT

NEW WINDSHEAR SENSORS A
GOVERNMENT-INDUSTRY 'SUCCESS STORY'
[NASA RELEASE-93-170] P93-10171 06

NASA, FAA CONSIDER REVISED WINDSHEAR
PILOTING PROCEDURES
[NASA RELEASE-93-171] P93-10172 06

NASA/FAA RESEARCH AIMS AT MORE EFFICIENT
AIRSPACE OPERATIONS
[NASA RELEASE-93-172] P93-10173 06

SCHLUDE, FRANZ-JOSEF

SECOND GERMAN SPACELAB MISSION IS SPACE
SHUTTLE'S 54TH FLIGHT
[NASA RELEASE-93-20] P93-10021 06

SCHMITT, B.

NITROGEN ICE DISCOVERED ON PLUTO
[NASA RELEASE-93-142] P93-10143 06

SCHMITT, D.-R.

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

SCHNEIDER, MARK E.

STUDENTS BEGIN NASA LIFE SCIENCES TRAINING
PROGRAM
[NASA RELEASE-93-117] P93-10118 06

SCHOENFELDER, VOLKER

GAMMA-RAY OBSERVATORY PRODUCES THREE
MAJOR DISCOVERIES
[NASA RELEASE-93-182] P93-10183 06

SCHRAMM, FRED

NASA-INDUSTRY EFFORT BOOSTS AUTOMATED
PARTS ID SYSTEM
[NASA RELEASE-93-218] P93-10219 06

SCHULING, ROELOF

SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE-93-4A] P93-10005 06

SCHURMANN, HORST

SECOND GERMAN SPACELAB MISSION IS SPACE
SHUTTLE'S 54TH FLIGHT
[NASA RELEASE-93-20] P93-10021 06

SCHWAN, F.

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

SCHWARTZ, KATHY

NASA, OTHER AGENCIES TO EXPLAIN
TECHNOLOGY REINVESTMENT
[NASA RELEASE-93-65] P93-10066 06

SCHWEIZER, FRANCOIS

HUBBLE LOOKS AT THE HEART OF A GALAXY
COLLISION
[NASA RELEASE-93-97] P93-10098 06

SEAMANS, ROBERT

SPACE STATION REDESIGN ADVISORY MEMBERS
NAMED
[NASA RELEASE-93-59] P93-10060 06

SEARFOSS, RICHARD A.

STS-58 SECOND SPACELAB MISSION DEDICATED
TO LIFE SCIENCES P93-10136 06

SHUTTLE MISSION TO CONDUCT SCIENTIFIC
FIRST
[NASA RELEASE-93-173] P93-10174 06

SEDDON, MARGARET RHEA

STS-58 SECOND SPACELAB MISSION DEDICATED
TO LIFE SCIENCES P93-10136 06

SHUTTLE MISSION TO CONDUCT SCIENTIFIC
FIRST
[NASA RELEASE-93-173] P93-10174 06

SEERING, WARREN

NASA SELECTS FLIGHT TECHNOLOGY
PROPOSALS
[NASA RELEASE-93-186] P93-10187 06

SEGA, RONALD M.

PRIME AND BACKUP COSMONAUTS NAMED FOR
SHUTTLE STS-60 MISSION
[NASA RELEASE-93-61] P93-10062 06

SEIBERT, G.

SECOND GERMAN SPACELAB MISSION IS SPACE
SHUTTLE'S 54TH FLIGHT
[NASA RELEASE-93-20] P93-10021 06

SEIVOLD, ALFRED L.

NASA/NOAA PANEL TO INVESTIGATE NOAA-13
FAILURE
[NASA RELEASE-93-154] P93-10155 06

SELESNICK, RICHARD

SCIENTISTS LOCATE NEW RADIATION BELT
AROUND EARTH
[NASA RELEASE-93-94] P93-10095 06

SELLEN, KATHRYN L.

STUDENTS BEGIN NASA LIFE SCIENCES TRAINING
PROGRAM
[NASA RELEASE-93-117] P93-10118 06

SENTMAN, DAVIS

NASA RESEARCHERS RECORD UNUSUAL FLASHES
IN UPPER ATMOSPHERE
[NASA RELEASE-93-167] P93-10168 06

SERLEMITSOS, PETER

ASTRO-D MISSION TO LAUNCH TONIGHT IN
JAPAN
[NASA RELEASE-93-28] P93-10029 06

MYSTERY OF 'FASTEST FLICKERING' GALAXY
SOLVED
[NASA RELEASE-93-192] P93-10193 06

SEVER, TOM

NASA AND CENTRAL AMERICA WILL EXPAND RAIN
FOREST STUDIES
[NASA RELEASE-93-47] P93-10048 06

SHARER, PETER

METABOLIC SPACEWALK STUDIES SUBJECT OF
AMES RESEARCH
[NASA RELEASE-93-93] P93-10094 06

SHARIQ, SYED

GOLDIN CALLS FOR IMPROVED TECHNOLOGY
TRANSFER TO INDUSTRY
[NASA RELEASE-93-9] P93-10010 06

SHARP, JOSEPH C.

SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE-93-4A] P93-10005 06

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

SHAW, BREWSTER HOPKINSON, JR.

SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE-93-4A] P93-10005 06

SECOND GERMAN SPACELAB MISSION IS SPACE
SHUTTLE'S 54TH FLIGHT
[NASA RELEASE-93-20] P93-10021 06

STS-56 MISSION CONTINUES NASA'S MISSION TO
PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06

PEARSON ANNOUNCES SHUTTLE PROGRAM
ADJUSTMENTS
[NASA RELEASE-93-49] P93-10050 06

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

HST SERVICING MISSION HIGHLIGHTS 1993 NASA
ACCOMPLISHMENTS
[NASA RELEASE-93-226] P93-10227 06

SHEA, JOSEPH F.

GOLDIN ANNOUNCES KEY SPACE STATION POSTS,
SPENDING MEASURES
[NASA RELEASE-93-38] P93-10039 06

ORGANIZATIONAL CHANGES TO ENHANCE
PROGRAMS, RELATIONS
[NASA RELEASE-93-44] P93-10045 06

PEARSON ANNOUNCES SHUTTLE PROGRAM
ADJUSTMENTS
[NASA RELEASE-93-49] P93-10050 06

HUBBLE SERVICING MISSION STUDY COMPLETED
[NASA RELEASE-93-96] P93-10097 06

HST SERVICING MISSION HIGHLIGHTS 1993 NASA
ACCOMPLISHMENTS
[NASA RELEASE-93-226] P93-10227 06

REMARKS BY NASA ADMINISTRATOR DANIEL S.
GOLDIN TO THE AMERICAN ASTRONAUTICAL
SOCIETY - GODDARD MEMORIAL SYMPOSIUM:
REDESIGN OF THE SPACE STATION; HYATT REGENCY
HOTEL, CRYSTAL CITY, ARLINGTON, VIRGINIA
P93-10232 05

NASA PRESS CONFERENCE: SPACE STATION
REDESIGN; NASA HEADQUARTERS BUILDING,
WASHINGTON, DC P93-10233 05

SHEETS, THAYER

NASA SPACE SUIT AND MEDICAL TECHNOLOGIES
HONORED
[NASA RELEASE-93-69] P93-10070 06

NASA OSHKOSH EXHIBIT HIGHLIGHTS U.S.
'LEADERSHIP IN AERONAUTICS'
[NASA RELEASE-93-128] P93-10129 06

SHEPARD, ALAN BARTLETT, JR.

AIAA LUNCHEON; CRYSTAL CITY HYATT REGENCY
HOTEL, CRYSTAL CITY, VIRGINIA P93-10235 05

SHEPHERD, WILLIAM M.

TWO ASTRONAUTS APPOINTED TO
HEADQUARTERS POSITIONS
[NASA RELEASE-93-120] P93-10121 06

GOLDIN ANNOUNCES KEY SPACE STATION
MANAGEMENT MOVES
[NASA RELEASE-93-191] P93-10192 06

HST SERVICING MISSION HIGHLIGHTS 1993 NASA
ACCOMPLISHMENTS
[NASA RELEASE-93-226] P93-10227 06

SHERLOCK, NANCY JANE

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

SHIMABUKURO, ELIZABETH T.

TWENTY NATIONAL STUDENT WINNERS HONORED
IN WASHINGTON
[NASA RELEASE-93-175] P93-10176 06

SHOEMAKER, CAROLYN

HUBBLE INVESTIGATES COMET ON A COLLISION
COURSE WITH JUPITER
[NASA RELEASE-93-188] P93-10189 06

SHOEMAKER, EUGENE

NASA SELECTS 11 DISCOVERY MISSION CONCEPTS
FOR STUDY
[NASA RELEASE-93-27] P93-10028 06

CLEMENTINE MISSION SCIENCE TEAM SELECTED
[NASA RELEASE-93-66] P93-10067 06

HUBBLE INVESTIGATES COMET ON A COLLISION
COURSE WITH JUPITER
[NASA RELEASE-93-188] P93-10189 06

SHREWSBERRY, DAVID

STS-56 MISSION CONTINUES NASA'S MISSION TO
PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

SHRIVER, LOREN J.

PEARSON ANNOUNCES SHUTTLE PROGRAM
ADJUSTMENTS
[NASA RELEASE-93-49] P93-10050 06

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

SIECK, ROBERT B.

SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE-93-4A] P93-10005 06

SECOND GERMAN SPACELAB MISSION IS SPACE
SHUTTLE'S 54TH FLIGHT
[NASA RELEASE-93-20] P93-10021 06

STS-56 MISSION CONTINUES NASA'S MISSION TO
PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

SIKORA, MAREK

MYSTERY OF 'FASTEST FLICKERING' GALAXY
SOLVED
[NASA RELEASE-93-192] P93-10193 06

SILVER, LEE

SPACE STATION REDESIGN ADVISORY MEMBERS
NAMED
[NASA RELEASE-93-59] P93-10060 06

SIMKIN, SUSAN

HUBBLE DISCOVERS A DOUBLE NUCLEUS IN CORE
OF ACTIVE GALAXY
[NASA RELEASE-93-6] P93-10007 06

SINGER, GREGORY B.

STUDENTS BEGIN NASA LIFE SCIENCES TRAINING
PROGRAM
[NASA RELEASE-93-117] P93-10118 06

SINGER, ROBERT

NASA NAMES IMAGING PRINCIPAL INVESTIGATOR
FOR MESUR PATHFINDER
[NASA RELEASE-93-146] P93-10147 06

SISKO, ROBERT

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

SKOLE, DAVID

NASA STUDY REFINES ESTIMATES OF AMAZON
DEFORESTATION
[NASA RELEASE-93-119] P93-10120 06

SLAYTON, DONALD KENT

HST SERVICING MISSION HIGHLIGHTS 1993 NASA
ACCOMPLISHMENTS
[NASA RELEASE-93-226] P93-10227 06

SLEMP, WAYNE S.

NASA SELECTS FLIGHT TECHNOLOGY
PROPOSALS
[NASA RELEASE-93-186] P93-10187 06

SMITH, BRIANNA M.

STUDENTS BEGIN NASA LIFE SCIENCES TRAINING
PROGRAM
[NASA RELEASE-93-117] P93-10118 06

SMITH, DAVID

CLEMENTINE MISSION SCIENCE TEAM SELECTED
[NASA RELEASE-93-66] P93-10067 06

SMITH, EDWARD J.

ULYSSES REACHES UNEXPLORED REGIONS OF
SUN
[NASA RELEASE-93-217] P93-10218 06

SMITH, GERALD

SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE-93-4A] P93-10005 06

SECOND GERMAN SPACELAB MISSION IS SPACE
SHUTTLE'S 54TH FLIGHT
[NASA RELEASE-93-20] P93-10021 06

STS-56 MISSION CONTINUES NASA'S MISSION TO
PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

SMITH, JAMES E., JR.

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

REMARKS BY NASA ADMINISTRATOR DAN GOLDIN
BEFORE THE JPL HIGH-TECH SMALL BUSINESS
DEVELOPMENT PROCUREMENT CONFERENCE, LOS
ANGELES, CALIFORNIA P93-10231 05

SMITH, PETER

NASA NAMES IMAGING PRINCIPAL INVESTIGATOR
FOR MESUR PATHFINDER
[NASA RELEASE-93-146] P93-10147 06

SMOLKA, JIM

NASA F-15 BEING READIED FOR ADVANCED
MANEUVERING FLIGHT
[NASA RELEASE-93-115] P93-10116 06

SNEIDERMAN, GARY

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

SODERBLOM, LARRY

NASA NAMES IMAGING PRINCIPAL INVESTIGATOR
FOR MESUR PATHFINDER
[NASA RELEASE-93-146] P93-10147 06

NASA NAMES TEAM TO STUDY RETURN TRIP TO
MARS
[NASA RELEASE-93-157] P93-10158 06

SOLOMON, STANLEY C.

NASA SELECTS UPPER ATMOSPHERE
INVESTIGATORS
[NASA RELEASE-93-123] P93-10124 06

SONI, ANIL K.

TWENTY NATIONAL STUDENT WINNERS HONORED
IN WASHINGTON
[NASA RELEASE-93-175] P93-10176 06

SONNEBORN, GEORGE

SCIENTISTS REVEAL NATURE OF EXPLODING, RED
SUPERGIANT STAR
[NASA RELEASE-93-63] P93-10064 06

SOURS, RYAN E.

TWENTY NATIONAL STUDENT WINNERS HONORED
IN WASHINGTON
[NASA RELEASE-93-175] P93-10176 06

SOUZA, KENNETH A.

SHUTTLE MISSION TO CONDUCT SCIENTIFIC
FIRST
[NASA RELEASE-93-173] P93-10174 06

SPANGNER, MARC O.

STUDENTS BEGIN NASA LIFE SCIENCES TRAINING
PROGRAM
[NASA RELEASE-93-117] P93-10118 06

SPAULDING, GLENN

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

SPAUNHORST, FRANZ-PETER

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

SPINTMAN, DANIEL A.

SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE-93-4A] P93-10005 06

SPOFFORD, JOHN R.

NASA SELECTS FLIGHT TECHNOLOGY
PROPOSALS
[NASA RELEASE-93-186] P93-10187 06

SPUCK, WILLIAM

GOLDIN CALLS FOR IMPROVED TECHNOLOGY
TRANSFER TO INDUSTRY
[NASA RELEASE-93-9] P93-10010 06

SPUDIS, PAUL D.

NASA SELECTS 11 DISCOVERY MISSION CONCEPTS
FOR STUDY
[NASA RELEASE-93-27] P93-10028 06

CLEMENTINE MISSION SCIENCE TEAM SELECTED
[NASA RELEASE-93-66] P93-10067 06

SRINI, VASON P.

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

STACHNIK, ROBERT

THREE SPACECRAFT TO CONDUCT 3-WEEK
GRAVITATIONAL WAVE SEARCH
[NASA RELEASE-93-48] P93-10049 06

STAEHLE, ROB

NASA NAMES TEAM TO STUDY RETURN TRIP TO
MARS
[NASA RELEASE-93-157] P93-10158 06

STAFFORD, THOMAS PATTEN

STAFFORD RECEIVES CONGRESSIONAL SPACE
MEDAL OF HONOR
[NASA RELEASE-93-14] P93-10015 06

STANAWAY, JEFFREY D.

TWENTY NATIONAL STUDENT WINNERS HONORED
IN WASHINGTON
[NASA RELEASE-93-175] P93-10176 06

STEELE, JAY

ANTARCTIC TO BECOME LABORATORY FOR
FUTURE MARS MISSIONS
[NASA RELEASE-93-178] P93-10179 06

STEIMLE, HANS-ULRICH

SECOND GERMAN SPACELAB MISSION IS SPACE
SHUTTLE'S 54TH FLIGHT
[NASA RELEASE-93-20] P93-10021 06

STEIN, T. PETER

STS-58 SECOND SPACELAB MISSION DEDICATED
TO LIFE SCIENCES P93-10136 06

STEINBERG, KLAUS

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

STEPHENS, ROBERT M.

NASA BOARD TO INVESTIGATE STS-51 HARDWARE
PROBLEM
[NASA RELEASE-93-184] P93-10185 06

STETSON, PETER

HUBBLE CLOSING IN ON AGE OF THE UNIVERSE
[NASA RELEASE-93-108] P93-10109 06

STEWART, JAMES

NASA F-15 MAKES FIRST ENGINE-CONTROLLED
TOUCHDOWN
[NASA RELEASE-93-75] P93-10076 06

NASA F-15 BEING READIED FOR ADVANCED
MANEUVERING FLIGHT
[NASA RELEASE-93-115] P93-10116 06

STIEGMAN, ALBERT

JPL TEAM DEVELOPS SPECIAL POLLUTION
DETECTION GLASS
[NASA RELEASE-93-209] P93-10210 06

STODIECK, LOUIS

SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE-93-4A] P93-10005 06

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

STOEWER, HEINZ

SECOND GERMAN SPACELAB MISSION IS SPACE
SHUTTLE'S 54TH FLIGHT
[NASA RELEASE-93-20] P93-10021 06

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

STOKER, CAROL

NASA/OHIO AEROSPACE INSTITUTE TO HOST
CYBERSPACE CONFERENCE
[NASA RELEASE-93-50] P93-10051 06

ANTARCTIC TO BECOME LABORATORY FOR
FUTURE MARS MISSIONS
[NASA RELEASE-93-178] P93-10179 06

STOLLBERG, MARK

COMPTON OBSERVATORY DISCOVERS INTENSE,
NEW X-RAY PULSAR
[NASA RELEASE-93-141] P93-10142 06

STONE, EDWARD C.

SCIENTISTS LOCATE NEW RADIATION BELT
AROUND EARTH
[NASA RELEASE-93-94] P93-10095 06

VOYAGER SPACECRAFT FIND CLUE TO ANOTHER
SOLAR SYSTEM MYSTERY
[NASA RELEASE-93-99] P93-10100 06

NASA BUDGET BRIEFING, NASA HEADQUARTERS,
WASHINGTON, DC P93-10234 05

STRANGEWAY, ROBERT

EVIDENCE POINTS TO OCEANS, LIGHTNING ON
EARLY VENUS
[NASA RELEASE-93-51] P93-10052 06

STREET, KEN

LEWIS SPACE RESEARCH SPAWNS WATER
PURIFICATION SYSTEM
[NASA RELEASE-93-86] P93-10087 06

STREETER, ROXANNE

ANTARCTIC TO BECOME LABORATORY FOR
FUTURE MARS MISSIONS
[NASA RELEASE-93-178] P93-10179 06

STRUGER, ODO

LEWIS, CASE, BATTELLE TO COMMERCIALIZE NASA
INVENTIONS
[NASA RELEASE-93-91] P93-10092 06

SULLIVAN, KATHRYN D.

NASA TO FEATURE VIDEOWALL AT PARIS AIR
SHOW
[NASA RELEASE-93-92] P93-10093 06

NASA/NOAA PANEL TO INVESTIGATE NOAA-13
FAILURE
[NASA RELEASE-93-154] P93-10155 06

MARS OBSERVER INVESTIGATION BOARD
MEMBERS NAMED
[NASA RELEASE-93-159] P93-10160 06

SURAMPUDI, S.

NASA SELECTS FLIGHT TECHNOLOGY
PROPOSALS
[NASA RELEASE-93-186] P93-10187 06

SWETT, DICK

NASA SMALL BUSINESS OUTREACH OFFICE TO
OPEN IN NASHUA, N.H.
[NASA RELEASE-93-206] P93-10207 06

SZALAI, KENNETH J.

SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE-93-4A] P93-10005 06

SECOND GERMAN SPACELAB MISSION IS SPACE
SHUTTLE'S 54TH FLIGHT
[NASA RELEASE-93-20] P93-10021 06

STS-56 MISSION CONTINUES NASA'S MISSION TO
PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

T

TALONE, JOHN J.

SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE-93-4A] P93-10005 06

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

TATEYAMA, NAOTAKE

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

TAYLOR, GERALD

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

TEMPEL, CAROL A.

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

TERAN, ALFREDO J.

MINORITY CONTRACTORS OF THE YEAR AWARDS
ANNOUNCED
[NASA RELEASE-93-177] P93-10178 06

TERLEVICH, ROBERTO

HUBBLE SUPPORTS BLACK HOLE MODEL FOR
ACTIVE GALAXIES
[NASA RELEASE-93-130] P93-10131 06

TEUWSEN, RUDOLF

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

THIENEL, CHARLES E.

CONTROLLERS LOSE CONTACT WITH NOAA-13
SATELLITE
[NASA RELEASE-93-151] P93-10152 06

NASA/NOAA PANEL TO INVESTIGATE NOAA-13
FAILURE
[NASA RELEASE-93-154] P93-10155 06

THOMAS, JAMES A.

SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE-93-4A] P93-10005 06

SECOND GERMAN SPACELAB MISSION IS SPACE
SHUTTLE'S 54TH FLIGHT
[NASA RELEASE-93-20] P93-10021 06

STS-56 MISSION CONTINUES NASA'S MISSION TO
PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

THOMAS, LAWRENCE R.

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

THOMAS, RALPH

NASA BUDGET BRIEFING; NASA HEADQUARTERS,
WASHINGTON, DC P93-10234 05

THOMAS, RALPH C., III

NEW ADVISORY GROUP EYES MINORITY
BUSINESSES
[NASA RELEASE-93-17] P93-10018 06

REMARKS BY NASA ADMINISTRATOR DAN GOLDIN
BEFORE THE JPL HIGH-TECH SMALL BUSINESS
DEVELOPMENT PROCUREMENT CONFERENCE; LOS
ANGELES, CALIFORNIA P93-10231 05

THOMPSON, MILTON O.

CROSSFIELD AWARDED NASA DISTINGUISHED
PUBLIC SERVICE MEDAL
[NASA RELEASE-93-16] P93-10017 06

THOMPSON, RANDY

SATELLITE DATA GET NEW LEASE ON LIFE FROM
SOFTWARE BOOST
[NASA RELEASE-93-164] P93-10165 06

THORNTON, KATHRYN C.

FIVE SPACEWALKS TO SERVICE HUBBLE SPACE
TELESCOPE HIGHLIGHTS SHUTTLE MISSION STS-61
[NASA RELEASE-93-204] P93-10205 06

THUILLIER, G.

STS-56 MISSION CONTINUES NASA'S MISSION TO
PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06

THUOT, PIERRE J.

STS-62 AND STS-59 SPACE SHUTTLE CREW
ASSIGNMENTS ANNOUNCED
[NASA RELEASE-93-42] P93-10043 06

NASA TO FEATURE VIDEO WALL AT PARIS AIR
SHOW
[NASA RELEASE-93-92] P93-10093 06

TIELENS, XANDER

DIAMONDS IN THE SKY CHALLENGE GALAXY
EVOLUTION THEORIES
[NASA RELEASE-93-58] P93-10059 06

TILFORD, SHELBY G.

STS-56 MISSION CONTINUES NASA'S MISSION TO
PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06

ORGANIZATIONAL CHANGES TO ENHANCE
PROGRAMS, RELATIONS
[NASA RELEASE-93-44] P93-10045 06

NASA AND CENTRAL AMERICA WILL EXPAND RAIN
FOREST STUDIES
[NASA RELEASE-93-47] P93-10048 06

NASA/NOAA PANEL TO INVESTIGATE NOAA-13
FAILURE
[NASA RELEASE-93-154] P93-10155 06

TITLE, ALAN

NASA SELECTS SECOND SET OF SMALL EXPLORER
MISSIONS
[NASA RELEASE-93-168] P93-10169 06

TITOV, VLADIMIR G.

PRIME AND BACKUP COSMONAUTS NAMED FOR
SHUTTLE STS-60 MISSION
[NASA RELEASE-93-61] P93-10062 06

CREW MEMBERS SELECTED FOR STS-63 SHUTTLE
SPACEHAB-3 FLIGHT
[NASA RELEASE-93-161] P93-10162 06

NASA AND RUSSIAN SPACE AGENCY SIGN
AGREEMENT FOR ADDITIONAL SPACE SHUTTLE/MIR
MISSIONS
[NASA RELEASE-93-222] P93-10223 06

HST SERVICING MISSION HIGHLIGHTS 1993 NASA
ACCOMPLISHMENTS
[NASA RELEASE-93-226] P93-10227 06

TOMASKO, MARTIN

NASA NAMES IMAGING PRINCIPAL INVESTIGATOR
FOR MESUR PATHFINDER
[NASA RELEASE-93-146] P93-10147 06

TREMAINE, SCOTT

EARTH'S ROTATION RATE MAY BE DUE TO EARLY
COLLISIONS
[NASA RELEASE-93-12] P93-10013 06

TRIPPENSEE, GARY

NASA OSHKOSH EXHIBIT HIGHLIGHTS U.S.
'LEADERSHIP IN AERONAUTICS'
[NASA RELEASE-93-128] P93-10129 06

TRISCHBERGER, MANFRED

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

TRULY, RICHARD HARRISON

MALCOLM PETERSON APPOINTED NASA ACTING
COMPTROLLER
[NASA RELEASE-93-112] P93-10113 06

TSOU, PETER

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

TUCKER, COMPTON J.

NASA STUDY REFINES ESTIMATES OF AMAZON
DEFORESTATION
[NASA RELEASE-93-119] P93-10120 06

NASA HELPS PROVIDE FAMINE EARLY WARNING
FOR AFRICA
[NASA RELEASE-93-213] P93-10214 06

TUCKER, JIM GUY

ARKANSAS, NASA SIGN TECHNOLOGY TRANSFER
ACCORD
[NASA RELEASE-93-138] P93-10139 06

TURNER, ANNE

HUBBLE CLOSING IN ON AGE OF THE UNIVERSE
[NASA RELEASE-93-108] P93-10109 06

TURNER, RUSSELL T.

STS-56 MISSION CONTINUES NASA'S MISSION TO
PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06

SHUTTLE RAT EXPERIMENT YIELDS UNEXPECTED
RESULTS
[NASA RELEASE-93-181] P93-10182 06

TURNER, T. JANE

MYSTERY OF 'FASTEST FLICKERING' GALAXY
SOLVED
[NASA RELEASE-93-192] P93-10193 06

TURNER, VAUGHN E.

SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE-93-4A] P93-10005 06

U

ULIANO, DICK

NASA PRESS CONFERENCE: SPACE STATION
REDESIGN; NASA HEADQUARTERS BUILDING,
WASHINGTON, DC P93-10233 05

UNDERWOOD, MARK L.

NASA SELECTS FLIGHT TECHNOLOGY
PROPOSALS
[NASA RELEASE-93-186] P93-10187 06

UNGER, ROBERT L.

TWENTY NATIONAL STUDENT WINNERS HONORED
IN WASHINGTON
[NASA RELEASE-93-175] P93-10176 06

UTSMAN, THOMAS E.

SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE-93-4A] P93-10005 06

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SHUTTLE'S 54TH FLIGHT
[NASA RELEASE-93-20] P93-10021 06

STS-56 MISSION CONTINUES NASA'S MISSION TO
PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

V

VANALLEN, JAMES

PIONEER CELEBRATES 10 YEARS BEYOND THE
KNOWN SOLAR PLANETS
[NASA RELEASE-93-110] P93-10111 06

VANALSTINE, JAMES M.

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

VANBUSKIRK, KELLY M.

STUDENTS BEGIN NASA LIFE SCIENCES TRAINING
PROGRAM
[NASA RELEASE-93-117] P93-10118 06

VANDECAR, DAVID A.

STUDENTS BEGIN NASA LIFE SCIENCES TRAINING
PROGRAM
[NASA RELEASE-93-117] P93-10118 06

VANEK, CHARLES

SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE-93-4A] P93-10005 06

NASA TDRSS NETWORK MARKS 10 YEARS OF
OPERATION
[NASA RELEASE-93-60] P93-10061 06

VANHOOSER, TERESA

STS-56 MISSION CONTINUES NASA'S MISSION TO
PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06

VEITCH, LISA

NASA OSHKOSH EXHIBIT HIGHLIGHTS U.S.
'LEADERSHIP IN AERONAUTICS'
[NASA RELEASE-93-128] P93-10129 06

PERSONAL NAMES INDEX

WILLIAMSON, REBECCA

VELUSAMY, THANGASAMY

NASA USES NEW METHOD TO DETECT NEW STARS
AND PLANETS
[NASA RELEASE-93-106] P93-10107 06

VERNIKOS, JOAN

NASA STUDY MAY HELP REDUCE
LIGHTHEADEDNESS AFTER SPACE FLIGHT
[NASA RELEASE-93-30] P93-10031 06

VEST, CHARLES M.

SPACE STATION REDESIGN ADVISORY MEMBERS
NAMED
[NASA RELEASE-93-59] P93-10060 06

STATION REDESIGN TEAM TO SUBMIT FINAL
REPORT
[NASA RELEASE-93-104] P93-10105 06

HST SERVICING MISSION HIGHLIGHTS 1993 NASA
ACCOMPLISHMENTS
[NASA RELEASE-93-226] P93-10227 06

VEVERKA, JOSEPH

NASA SELECTS 11 DISCOVERY MISSION CONCEPTS
FOR STUDY
[NASA RELEASE-93-27] P93-10028 06

VILLAMIL, ANA M.

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

VINCENT, GEOFFREY H.

VINCENT NAMED ACTING PUBLIC AFFAIRS HEAD
[NASA RELEASE-93-15] P93-10016 06

VINGE, VERNOR

NASA/OHIO AEROSPACE INSTITUTE TO HOST
CYBERSPACE CONFERENCE
[NASA RELEASE-93-50] P93-10051 06

VOGEL, WOLFGARD J.

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

VONDEAK, TOM

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

VONROSEVINGE, TYCHO

SCIENTISTS LOCATE NEW RADIATION BELT
AROUND EARTH
[NASA RELEASE-93-94] P93-10095 06

VOSS, JAMES S.

PAYLOAD COMMANDERS NAMED FOR FUTURE
SHUTTLE MISSIONS
[NASA RELEASE-93-140] P93-10141 06

VOSS, JANICE E.

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

CREW MEMBERS SELECTED FOR STS-63 SHUTTLE
SPACEHAB-3 FLIGHT
[NASA RELEASE-93-161] P93-10162 06

W

WADE, LEE

U.S./RUSSIAN SPACE AGENCIES HOOKING
SCIENCE NETWORKS
[NASA RELEASE-93-196] P93-10197 06

WAGNER, WILLIAM

STS-56 MISSION CONTINUES NASA'S MISSION TO
PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06

WAHLQUIST, HUGO D.

THREE SPACECRAFT TO CONDUCT 3-WEEK
GRAVITATIONAL WAVE SEARCH
[NASA RELEASE-93-48] P93-10049 06

WALDMAN, MARTIN

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

WALTER, ULRICH

SECOND GERMAN SPACELAB MISSION IS SPACE
SHUTTLE'S 54TH FLIGHT
[NASA RELEASE-93-20] P93-10021 06

WALZ, CARL E.

SPACEWALK ADDED TO JULY SPACE SHUTTLE
FLIGHT
[NASA RELEASE-93-21] P93-10022 06

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

WATERS, JOE

OZONE DESTROYING CHLORINE EXISTED LONGER
IN 1992-93 WINTER
[NASA RELEASE-93-68] P93-10069 06

WATKINS, ANDREA

PRESS CONFERENCE; JOHNSON SPACE CENTER,
HOUSTON, TEXAS P93-10239 05

WATSON, ROBERT

AAAS TO HONOR NASA SCIENTIST FOR OZONE
RESEARCH
[NASA RELEASE-93-26] P93-10027 06

NASA BUDGET BRIEFING; NASA HEADQUARTERS,
WASHINGTON, DC P93-10234 05

WATTENBACH, ROLAND

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

WEAVER, HAROLD

HUBBLE INVESTIGATES COMET ON A COLLISION
COURSE WITH JUPITER
[NASA RELEASE-93-188] P93-10189 06

WEAVER, ROBERT

STS-56 MISSION CONTINUES NASA'S MISSION TO
PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

WEBBON, BRUCE

METABOLIC SPACEWALK STUDIES SUBJECT OF
AMES RESEARCH
[NASA RELEASE-93-93] P93-10094 06

WEBSTER, DANIEL

REMARKS BY NASA ADMINISTRATOR DAN GOLDIN
BEFORE THE JPL HIGH-TECH SMALL BUSINESS
DEVELOPMENT PROCUREMENT CONFERENCE; LOS
ANGELES, CALIFORNIA P93-10231 05

WEIBEL, MARJORIE

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

WEIR, NICK

COMPUTER PROGRAM WILL CATALOG
ASTRONOMICAL SKY SURVEY
[NASA RELEASE-93-67] P93-10068 06

WEITZ, PAUL JOSEPH

SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE-93-4A] P93-10005 06

SECOND GERMAN SPACELAB MISSION IS SPACE
SHUTTLE'S 54TH FLIGHT
[NASA RELEASE-93-20] P93-10021 06

STS-56 MISSION CONTINUES NASA'S MISSION TO
PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

JSC DIRECTOR COHEN ANNOUNCES RETIREMENT
[NASA RELEASE-93-131] P93-10132 06

PRESS CONFERENCE; JOHNSON SPACE CENTER,
HOUSTON, TEXAS P93-10239 05

WESCOTT, EUGENE

NASA RESEARCHERS RECORD UNUSUAL FLASHES
IN UPPER ATMOSPHERE
[NASA RELEASE-93-167] P93-10168 06

WESOKY, HOWARD

PERSEUS RESEARCH AIRCRAFT MAKES FIRST
TEST FLIGHT
[NASA RELEASE-93-227] P93-10228 06

WEST, JOHN B.

STS-58 SECOND SPACELAB MISSION DEDICATED
TO LIFE SCIENCES P93-10136 06

WESTERLIND, KIM

SHUTTLE RAT EXPERIMENT YIELDS UNEXPECTED
RESULTS
[NASA RELEASE-93-181] P93-10182 06

WESTHOFF, BRENDA A.

STUDENTS BEGIN NASA LIFE SCIENCES TRAINING
PROGRAM
[NASA RELEASE-93-117] P93-10118 06

WETHERBEE, JAMES D.

TWO ASTRONAUTS APPOINTED TO
HEADQUARTERS POSITIONS
[NASA RELEASE-93-120] P93-10121 06

CREW MEMBERS SELECTED FOR STS-63 SHUTTLE
SPACEHAB-3 FLIGHT
[NASA RELEASE-93-161] P93-10162 06

WEYERS, VERNON J.

SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE-93-4A] P93-10005 06

WHEELON, ALBERT

SPACE STATION REDESIGN ADVISORY MEMBERS
NAMED
[NASA RELEASE-93-59] P93-10060 06

WHEELON, BUD

NASA NAMES TEAM TO STUDY RETURN TRIP TO
MARS
[NASA RELEASE-93-157] P93-10158 06

WHITE, RONALD

SECOND GERMAN SPACELAB MISSION IS SPACE
SHUTTLE'S 54TH FLIGHT
[NASA RELEASE-93-20] P93-10021 06

NASA SELECTS CENTER FOR LIFE SCIENCES
RESEARCH
[NASA RELEASE-93-40] P93-10041 06

WHITMORE, BRAD

HUBBLE LOOKS AT THE HEART OF A GALAXY
COLLISION
[NASA RELEASE-93-97] P93-10098 06

WHYTE, WAYNE

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

WILD, WOLFGANG

NASA AND GERMAN SPACE AGENCY SIGN SPACE
AGREEMENT
[NASA RELEASE-93-129] P93-10130 06

WILFARREN, HENRY

REMARKS BY NASA ADMINISTRATOR DAN GOLDIN
BEFORE THE JPL HIGH-TECH SMALL BUSINESS
DEVELOPMENT PROCUREMENT CONFERENCE; LOS
ANGELES, CALIFORNIA P93-10231 05

WILFINGER, WILLIAM W.

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

WILHELM, PETER G.

MARS OBSERVER INVESTIGATION BOARD
MEMBERS NAMED
[NASA RELEASE-93-159] P93-10160 06

WILKES, DONALD R.

NASA SELECTS FLIGHT TECHNOLOGY
PROPOSALS
[NASA RELEASE-93-186] P93-10187 06

WILLIAMS, LOUIS J.

NASA TO DEVELOP TECHNOLOGY FOR FUTURE
HIGH-SPEED TRANSPORTS
[NASA RELEASE-93-52] P93-10053 06

NASA TO FEATURE VIDEOWALL AT PARIS AIR
SHOW
[NASA RELEASE-93-92] P93-10093 06

NASA STARTS PHASE II OF SUPERSONIC AIRLINER
EFFORT
[NASA RELEASE-93-202] P93-10203 06

WILLIAMS, THOMAS E.

SPACE SHUTTLE MISSION: STS-54
[NASA RELEASE-93-4A] P93-10005 06

WILLIAMSON, REBECCA

METABOLIC SPACEWALK STUDIES SUBJECT OF
AMES RESEARCH
[NASA RELEASE-93-93] P93-10094 06

WILLSON, R.**WILLSON, R.**

STS-56 MISSION CONTINUES NASA'S MISSION TO
PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06

WILSON, ANDREW

HUBBLE DISCOVERS A DOUBLE NUCLEUS IN CORE
OF ACTIVE GALAXY
[NASA RELEASE-93-6] P93-10007 06

WILSON, ROBERT B.

COMPTON OBSERVATORY DISCOVERS INTENSE,
NEW X-RAY PULSAR
[NASA RELEASE-93-141] P93-10142 06

WINDHORST, ROGIER

HUBBLE DEEP-SKY SURVEY FINDS INTERACTING
GALAXIES IN A CLUSTER
[NASA RELEASE-93-203] P93-10204 06

WINDYKA, JOHN

NASA SELECTS FLIGHT TECHNOLOGY
PROPOSALS
[NASA RELEASE-93-186] P93-10187 06

WINFREE, WILLIAM

NASA ADAPTING UNIQUE X-RAY SYSTEM TO
INSPECT AIRCRAFT
[NASA RELEASE-93-137] P93-10138 06

WINGATE, ROBERT T.

NASA BOARD TO INVESTIGATE STS-51 HARDWARE
PROBLEM
[NASA RELEASE-93-184] P93-10185 06

WISOFF, PETER JEFF K.

SPACEWALK ADDED TO APRIL SPACE SHUTTLE
FLIGHT
[NASA RELEASE-93-31] P93-10032 06

FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57
SHUTTLE MISSION
[NASA RELEASE-93-78] P93-10079 06

WITHBROE, GEORGE

STS-56 MISSION CONTINUES NASA'S MISSION TO
PLANET EARTH
[NASA RELEASE-93-34] P93-10035 06

WITTEBORN, FRED

EVIDENCE FOR SOLID WATER FOUND ON
JUPITER'S MOON IO
[NASA RELEASE-93-107] P93-10108 06

WOLF, DAVID A.

STS-58 SECOND SPACELAB MISSION DEDICATED
TO LIFE SCIENCES P93-10136 06

SHUTTLE MISSION TO CONDUCT SCIENTIFIC
FIRST
[NASA RELEASE-93-173] P93-10174 06

WOLFF, RICHARD

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

WOODS, THOMAS N.

NASA SELECTS UPPER ATMOSPHERE
INVESTIGATORS
[NASA RELEASE-93-123] P93-10124 06

WRIGHT, ORVILLE

NASA RESEARCHER TAPPED FOR OHIO SCIENCE
HALL OF FAME
[NASA RELEASE-93-23] P93-10024 06

WRIGHT, WILBUR

NASA RESEARCHER TAPPED FOR OHIO SCIENCE
HALL OF FAME
[NASA RELEASE-93-23] P93-10024 06

WYBORNY, WOLFGANG

SECOND GERMAN SPACELAB MISSION IS SPACE
SHUTTLE'S 54TH FLIGHT
[NASA RELEASE-93-20] P93-10021 06

Y**YAMAGUCHI, KRISTI**

MUTUAL BROADCASTING SYSTEM'S 'THE LARRY
KING SHOW': INTERVIEW WITH DAN GOLDIN
P93-10249 05

YAVROUIAN, ANDRE

JPL TEAM DEVELOPS SPECIAL POLLUTION
DETECTION GLASS
[NASA RELEASE-93-209] P93-10210 06

PERSONAL NAMES INDEX**YEE, JENG-HWA**

NASA SELECTS UPPER ATMOSPHERE
INVESTIGATORS
[NASA RELEASE-93-123] P93-10124 06

YELTSIN, BORIS

MUTUAL BROADCASTING SYSTEM'S 'THE LARRY
KING SHOW': INTERVIEW WITH DAN GOLDIN
P93-10249 05

YOST, THOMAS

NASA AND SUPRA MEDICAL CORP. TO DEVELOP
ULTRASOUND DETECTOR
[NASA RELEASE-93-125] P93-10126 06

YOUNG, JOHN WATTS

COLUMBIA'S RETURN MARKS SIGNIFICANT SPACE
SHUTTLE MILESTONES
[NASA RELEASE-93-79] P93-10080 06

MUTUAL BROADCASTING SYSTEM'S 'THE LARRY
KING SHOW': INTERVIEW WITH DAN GOLDIN
P93-10249 05

YOUNG, L. A.

NITROGEN ICE DISCOVERED ON PLUTO
[NASA RELEASE-93-142] P93-10143 06

YOUNG, LAURENCE R.

STS-58 SECOND SPACELAB MISSION DEDICATED
TO LIFE SCIENCES P93-10136 06

PORTABLE COMPUTER TO HELP ASTRONAUTS
CONDUCT SCIENCE
[NASA RELEASE-93-180] P93-10181 06

YUN, DAVID

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
[NASA RELEASE-93-121] P93-10122 06

Z**ZELL, PETE**

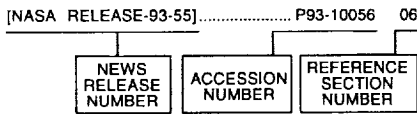
NASA TESTING NEW, POWERFUL DUCTED FANS
ENGINE FOR CIVIL JETS
[NASA RELEASE-93-103] P93-10104 06

ZONIES, DAVID H.

STUDENTS BEGIN NASA LIFE SCIENCES TRAINING
PROGRAM
[NASA RELEASE-93-117] P93-10118 06

ZYMBOLIC, PETER

MUTUAL BROADCASTING SYSTEM'S 'THE LARRY
KING SHOW': INTERVIEW WITH DAN GOLDIN
P93-10249 05

Typical News Release Number
Index Listing

This index correlates each news release number with its corresponding accession number. Following the accession number is a two-digit number (05 or 06) identifying the index section where the complete citation appears. News release numbers that were assigned but not used in this index have been omitted from this listing.

| | | | | | | | | |
|--------------------|-----------|----|---------------------|-----------|----|---------------------|-----------|----|
| NASA RELEASE-93-1 | P93-10001 | 06 | NASA RELEASE-93-55 | P93-10056 | 06 | NASA RELEASE-93-139 | P93-10140 | 06 |
| NASA RELEASE-93-2 | P93-10002 | 06 | NASA RELEASE-93-56 | P93-10057 | 06 | NASA RELEASE-93-140 | P93-10141 | 06 |
| NASA RELEASE-93-3 | P93-10003 | 06 | NASA RELEASE-93-57 | P93-10058 | 06 | NASA RELEASE-93-141 | P93-10142 | 06 |
| NASA RELEASE-93-4 | P93-10004 | 06 | NASA RELEASE-93-58 | P93-10059 | 06 | NASA RELEASE-93-142 | P93-10143 | 06 |
| NASA RELEASE-93-4A | P93-10005 | 06 | NASA RELEASE-93-59 | P93-10060 | 06 | NASA RELEASE-93-143 | P93-10144 | 06 |
| NASA RELEASE-93-5 | P93-10006 | 06 | NASA RELEASE-93-60 | P93-10061 | 06 | NASA RELEASE-93-144 | P93-10145 | 06 |
| NASA RELEASE-93-6 | P93-10007 | 06 | NASA RELEASE-93-61 | P93-10062 | 06 | NASA RELEASE-93-145 | P93-10146 | 06 |
| NASA RELEASE-93-7 | P93-10008 | 06 | NASA RELEASE-93-62 | P93-10063 | 06 | NASA RELEASE-93-146 | P93-10147 | 06 |
| NASA RELEASE-93-8 | P93-10009 | 06 | NASA RELEASE-93-63 | P93-10064 | 06 | NASA RELEASE-93-147 | P93-10148 | 06 |
| NASA RELEASE-93-9 | P93-10010 | 06 | NASA RELEASE-93-64 | P93-10065 | 06 | NASA RELEASE-93-148 | P93-10149 | 06 |
| NASA RELEASE-93-10 | P93-10011 | 06 | NASA RELEASE-93-65 | P93-10066 | 06 | NASA RELEASE-93-149 | P93-10150 | 06 |
| NASA RELEASE-93-11 | P93-10012 | 06 | NASA RELEASE-93-66 | P93-10067 | 06 | NASA RELEASE-93-150 | P93-10151 | 06 |
| NASA RELEASE-93-12 | P93-10013 | 06 | NASA RELEASE-93-67 | P93-10068 | 06 | NASA RELEASE-93-151 | P93-10152 | 06 |
| NASA RELEASE-93-13 | P93-10014 | 06 | NASA RELEASE-93-68 | P93-10069 | 06 | NASA RELEASE-93-152 | P93-10153 | 06 |
| NASA RELEASE-93-14 | P93-10015 | 06 | NASA RELEASE-93-69 | P93-10070 | 06 | NASA RELEASE-93-153 | P93-10154 | 06 |
| NASA RELEASE-93-15 | P93-10016 | 06 | NASA RELEASE-93-70 | P93-10071 | 06 | NASA RELEASE-93-154 | P93-10155 | 06 |
| NASA RELEASE-93-16 | P93-10017 | 06 | NASA RELEASE-93-71 | P93-10072 | 06 | NASA RELEASE-93-155 | P93-10156 | 06 |
| NASA RELEASE-93-17 | P93-10018 | 06 | NASA RELEASE-93-72 | P93-10073 | 06 | NASA RELEASE-93-156 | P93-10157 | 06 |
| NASA RELEASE-93-18 | P93-10019 | 06 | NASA RELEASE-93-73 | P93-10074 | 06 | NASA RELEASE-93-157 | P93-10158 | 06 |
| NASA RELEASE-93-19 | P93-10020 | 06 | NASA RELEASE-93-74 | P93-10075 | 06 | NASA RELEASE-93-158 | P93-10159 | 06 |
| NASA RELEASE-93-20 | P93-10021 | 06 | NASA RELEASE-93-75 | P93-10076 | 06 | NASA RELEASE-93-159 | P93-10160 | 06 |
| NASA RELEASE-93-21 | P93-10022 | 06 | NASA RELEASE-93-76 | P93-10077 | 06 | NASA RELEASE-93-160 | P93-10161 | 06 |
| NASA RELEASE-93-22 | P93-10023 | 06 | NASA RELEASE-93-77 | P93-10078 | 06 | NASA RELEASE-93-161 | P93-10162 | 06 |
| NASA RELEASE-93-23 | P93-10024 | 06 | NASA RELEASE-93-78 | P93-10079 | 06 | NASA RELEASE-93-162 | P93-10163 | 06 |
| NASA RELEASE-93-24 | P93-10025 | 06 | NASA RELEASE-93-79 | P93-10080 | 06 | NASA RELEASE-93-163 | P93-10164 | 06 |
| NASA RELEASE-93-25 | P93-10026 | 06 | NASA RELEASE-93-80 | P93-10081 | 06 | NASA RELEASE-93-164 | P93-10165 | 06 |
| NASA RELEASE-93-26 | P93-10027 | 06 | NASA RELEASE-93-81 | P93-10082 | 06 | NASA RELEASE-93-165 | P93-10166 | 06 |
| NASA RELEASE-93-27 | P93-10028 | 06 | NASA RELEASE-93-82 | P93-10083 | 06 | NASA RELEASE-93-166 | P93-10167 | 06 |
| NASA RELEASE-93-28 | P93-10029 | 06 | NASA RELEASE-93-83 | P93-10084 | 06 | NASA RELEASE-93-167 | P93-10168 | 06 |
| NASA RELEASE-93-29 | P93-10030 | 06 | NASA RELEASE-93-84 | P93-10085 | 06 | NASA RELEASE-93-168 | P93-10169 | 06 |
| NASA RELEASE-93-30 | P93-10031 | 06 | NASA RELEASE-93-85 | P93-10086 | 06 | NASA RELEASE-93-169 | P93-10170 | 06 |
| NASA RELEASE-93-31 | P93-10032 | 06 | NASA RELEASE-93-86 | P93-10087 | 06 | NASA RELEASE-93-170 | P93-10171 | 06 |
| NASA RELEASE-93-32 | P93-10033 | 06 | NASA RELEASE-93-87 | P93-10088 | 06 | NASA RELEASE-93-171 | P93-10172 | 06 |
| NASA RELEASE-93-33 | P93-10034 | 06 | NASA RELEASE-93-88 | P93-10089 | 06 | NASA RELEASE-93-172 | P93-10173 | 06 |
| NASA RELEASE-93-34 | P93-10035 | 06 | NASA RELEASE-93-89 | P93-10090 | 06 | NASA RELEASE-93-173 | P93-10174 | 06 |
| NASA RELEASE-93-35 | P93-10036 | 06 | NASA RELEASE-93-90 | P93-10091 | 06 | NASA RELEASE-93-174 | P93-10175 | 06 |
| NASA RELEASE-93-36 | P93-10037 | 06 | NASA RELEASE-93-91 | P93-10092 | 06 | NASA RELEASE-93-175 | P93-10176 | 06 |
| NASA RELEASE-93-37 | P93-10038 | 06 | NASA RELEASE-93-92 | P93-10093 | 06 | NASA RELEASE-93-176 | P93-10177 | 06 |
| NASA RELEASE-93-38 | P93-10039 | 06 | NASA RELEASE-93-93 | P93-10094 | 06 | NASA RELEASE-93-177 | P93-10178 | 06 |
| NASA RELEASE-93-39 | P93-10040 | 06 | NASA RELEASE-93-94 | P93-10095 | 06 | NASA RELEASE-93-178 | P93-10179 | 06 |
| NASA RELEASE-93-40 | P93-10041 | 06 | NASA RELEASE-93-95 | P93-10096 | 06 | NASA RELEASE-93-179 | P93-10180 | 06 |
| NASA RELEASE-93-41 | P93-10042 | 06 | NASA RELEASE-93-96 | P93-10097 | 06 | NASA RELEASE-93-180 | P93-10181 | 06 |
| NASA RELEASE-93-42 | P93-10043 | 06 | NASA RELEASE-93-97 | P93-10098 | 06 | NASA RELEASE-93-181 | P93-10182 | 06 |
| NASA RELEASE-93-43 | P93-10044 | 06 | NASA RELEASE-93-98 | P93-10099 | 06 | NASA RELEASE-93-182 | P93-10183 | 06 |
| NASA RELEASE-93-44 | P93-10045 | 06 | NASA RELEASE-93-99 | P93-10100 | 06 | NASA RELEASE-93-183 | P93-10184 | 06 |
| NASA RELEASE-93-45 | P93-10046 | 06 | NASA RELEASE-93-100 | P93-10101 | 06 | NASA RELEASE-93-184 | P93-10185 | 06 |
| NASA RELEASE-93-46 | P93-10047 | 06 | NASA RELEASE-93-101 | P93-10102 | 06 | NASA RELEASE-93-185 | P93-10186 | 06 |
| NASA RELEASE-93-47 | P93-10048 | 06 | NASA RELEASE-93-102 | P93-10103 | 06 | NASA RELEASE-93-186 | P93-10187 | 06 |
| NASA RELEASE-93-48 | P93-10049 | 06 | NASA RELEASE-93-103 | P93-10104 | 06 | NASA RELEASE-93-187 | P93-10188 | 06 |
| NASA RELEASE-93-49 | P93-10050 | 06 | NASA RELEASE-93-104 | P93-10105 | 06 | NASA RELEASE-93-188 | P93-10189 | 06 |
| NASA RELEASE-93-50 | P93-10051 | 06 | NASA RELEASE-93-105 | P93-10106 | 06 | NASA RELEASE-93-189 | P93-10190 | 06 |
| NASA RELEASE-93-51 | P93-10052 | 06 | NASA RELEASE-93-106 | P93-10107 | 06 | NASA RELEASE-93-190 | P93-10191 | 06 |
| NASA RELEASE-93-52 | P93-10053 | 06 | NASA RELEASE-93-107 | P93-10108 | 06 | NASA RELEASE-93-191 | P93-10192 | 06 |
| NASA RELEASE-93-53 | P93-10054 | 06 | NASA RELEASE-93-108 | P93-10109 | 06 | NASA RELEASE-93-192 | P93-10193 | 06 |
| NASA RELEASE-93-54 | P93-10055 | 06 | NASA RELEASE-93-109 | P93-10110 | 06 | NASA RELEASE-93-193 | P93-10194 | 06 |
| | | | NASA RELEASE-93-110 | P93-10111 | 06 | NASA RELEASE-93-194 | P93-10195 | 06 |
| | | | NASA RELEASE-93-111 | P93-10112 | 06 | NASA RELEASE-93-195 | P93-10196 | 06 |
| | | | NASA RELEASE-93-112 | P93-10113 | 06 | NASA RELEASE-93-196 | P93-10197 | 06 |
| | | | NASA RELEASE-93-113 | P93-10114 | 06 | NASA RELEASE-93-197 | P93-10198 | 06 |
| | | | NASA RELEASE-93-114 | P93-10115 | 06 | NASA RELEASE-93-198 | P93-10199 | 06 |
| | | | NASA RELEASE-93-115 | P93-10116 | 06 | NASA RELEASE-93-199 | P93-10200 | 06 |
| | | | NASA RELEASE-93-116 | P93-10117 | 06 | NASA RELEASE-93-200 | P93-10201 | 06 |
| | | | NASA RELEASE-93-117 | P93-10118 | 06 | NASA RELEASE-93-201 | P93-10202 | 06 |
| | | | NASA RELEASE-93-118 | P93-10119 | 06 | NASA RELEASE-93-202 | P93-10203 | 06 |
| | | | NASA RELEASE-93-119 | P93-10120 | 06 | NASA RELEASE-93-203 | P93-10204 | 06 |
| | | | NASA RELEASE-93-120 | P93-10121 | 06 | NASA RELEASE-93-204 | P93-10205 | 06 |
| | | | NASA RELEASE-93-121 | P93-10122 | 06 | NASA RELEASE-93-205 | P93-10206 | 06 |
| | | | NASA RELEASE-93-122 | P93-10123 | 06 | NASA RELEASE-93-206 | P93-10207 | 06 |
| | | | NASA RELEASE-93-123 | P93-10124 | 06 | NASA RELEASE-93-207 | P93-10208 | 06 |
| | | | NASA RELEASE-93-124 | P93-10125 | 06 | NASA RELEASE-93-208 | P93-10209 | 06 |
| | | | NASA RELEASE-93-125 | P93-10126 | 06 | NASA RELEASE-93-209 | P93-10210 | 06 |
| | | | NASA RELEASE-93-126 | P93-10127 | 06 | NASA RELEASE-93-210 | P93-10211 | 06 |
| | | | NASA RELEASE-93-127 | P93-10128 | 06 | NASA RELEASE-93-211 | P93-10212 | 06 |
| | | | NASA RELEASE-93-128 | P93-10129 | 06 | NASA RELEASE-93-212 | P93-10213 | 06 |
| | | | NASA RELEASE-93-129 | P93-10130 | 06 | NASA RELEASE-93-213 | P93-10214 | 06 |
| | | | NASA RELEASE-93-130 | P93-10131 | 06 | NASA RELEASE-93-214 | P93-10215 | 06 |
| | | | NASA RELEASE-93-131 | P93-10132 | 06 | NASA RELEASE-93-215 | P93-10216 | 06 |
| | | | NASA RELEASE-93-132 | P93-10133 | 06 | NASA RELEASE-93-216 | P93-10217 | 06 |
| | | | NASA RELEASE-93-133 | P93-10134 | 06 | NASA RELEASE-93-217 | P93-10218 | 06 |
| | | | NASA RELEASE-93-134 | P93-10135 | 06 | NASA RELEASE-93-218 | P93-10219 | 06 |
| | | | NASA RELEASE-93-135 | P93-10136 | 06 | NASA RELEASE-93-219 | P93-10220 | 06 |
| | | | NASA RELEASE-93-136 | P93-10137 | 06 | NASA RELEASE-93-220 | P93-10221 | 06 |
| | | | NASA RELEASE-93-137 | P93-10138 | 06 | NASA RELEASE-93-221 | P93-10222 | 06 |
| | | | NASA RELEASE-93-138 | P93-10139 | 06 | | | |

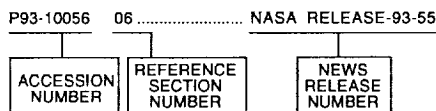
| | | |
|---------------------------|-----------|----|
| NASA RELEASE-93-222 | P93-10223 | 06 |
| NASA RELEASE-93-223 | P93-10224 | 06 |
| NASA RELEASE-93-224 | P93-10225 | 06 |
| NASA RELEASE-93-225 | P93-10226 | 06 |
| NASA RELEASE-93-226 | P93-10227 | 06 |
| NASA RELEASE-93-227 | P93-10228 | 06 |
| NASA RELEASE-93-228 | P93-10229 | 06 |

SECTION 4

ACCESSION NUMBER INDEX

INDEX TO NASA NEWS RELEASES AND SPEECHES 1993

APRIL 1994

Typical Accession Number
Index Listing

This index correlates each accession number with its corresponding news release number, if assigned. The accession number is followed by a two-digit number (05 or 06) identifying the index section where the complete citation appears. The statement NO REPORT NUMBER appears for unnumbered news releases and speeches.

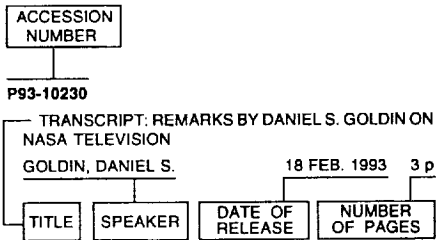
P93-10001 06 NASA RELEASE-93-1
P93-10002 06 NASA RELEASE-93-2
P93-10003 06 NASA RELEASE-93-3
P93-10004 06 NASA RELEASE-93-4
P93-10005 06 NASA RELEASE-93-4A
P93-10006 06 NASA RELEASE-93-5
P93-10007 06 NASA RELEASE-93-6
P93-10008 06 NASA RELEASE-93-7
P93-10009 06 NASA RELEASE-93-8
P93-10010 06 NASA RELEASE-93-9
P93-10011 06 NASA RELEASE-93-10
P93-10012 06 NASA RELEASE-93-11
P93-10013 06 NASA RELEASE-93-12
P93-10014 06 NASA RELEASE-93-13
P93-10015 06 NASA RELEASE-93-14
P93-10016 06 NASA RELEASE-93-15
P93-10017 06 NASA RELEASE-93-16
P93-10018 06 NASA RELEASE-93-17
P93-10019 06 NASA RELEASE-93-18
P93-10020 06 NASA RELEASE-93-19
P93-10021 06 NASA RELEASE-93-20
P93-10022 06 NASA RELEASE-93-21
P93-10023 06 NASA RELEASE-93-22
P93-10024 06 NASA RELEASE-93-23
P93-10025 06 NASA RELEASE-93-24
P93-10026 06 NASA RELEASE-93-25
P93-10027 06 NASA RELEASE-93-26
P93-10028 06 NASA RELEASE-93-27
P93-10029 06 NASA RELEASE-93-28
P93-10030 06 NASA RELEASE-93-29
P93-10031 06 NASA RELEASE-93-30
P93-10032 06 NASA RELEASE-93-31
P93-10033 06 NASA RELEASE-93-32
P93-10034 06 NASA RELEASE-93-33
P93-10035 06 NASA RELEASE-93-34
P93-10036 06 NASA RELEASE-93-35
P93-10037 06 NASA RELEASE-93-36
P93-10038 06 NASA RELEASE-93-37
P93-10039 06 NASA RELEASE-93-38
P93-10040 06 NASA RELEASE-93-39
P93-10041 06 NASA RELEASE-93-40
P93-10042 06 NASA RELEASE-93-41
P93-10043 06 NASA RELEASE-93-42
P93-10044 06 NASA RELEASE-93-43
P93-10045 06 NASA RELEASE-93-44
P93-10046 06 NASA RELEASE-93-45
P93-10047 06 NASA RELEASE-93-46
P93-10048 06 NASA RELEASE-93-47
P93-10049 06 NASA RELEASE-93-48
P93-10050 06 NASA RELEASE-93-49
P93-10051 06 NASA RELEASE-93-50
P93-10052 06 NASA RELEASE-93-51
P93-10053 06 NASA RELEASE-93-52
P93-10054 06 NASA RELEASE-93-53
P93-10055 06 NASA RELEASE-93-54

P93-10056 06 NASA RELEASE-93-55
P93-10057 06 NASA RELEASE-93-56
P93-10058 06 NASA RELEASE-93-57
P93-10059 06 NASA RELEASE-93-58
P93-10060 06 NASA RELEASE-93-59
P93-10061 06 NASA RELEASE-93-60
P93-10062 06 NASA RELEASE-93-61
P93-10063 06 NASA RELEASE-93-62
P93-10064 06 NASA RELEASE-93-63
P93-10065 06 NASA RELEASE-93-64
P93-10066 06 NASA RELEASE-93-65
P93-10067 06 NASA RELEASE-93-66
P93-10068 06 NASA RELEASE-93-67
P93-10069 06 NASA RELEASE-93-68
P93-10070 06 NASA RELEASE-93-69
P93-10071 06 NASA RELEASE-93-70
P93-10072 06 NASA RELEASE-93-71
P93-10073 06 NASA RELEASE-93-72
P93-10074 06 NASA RELEASE-93-73
P93-10075 06 NASA RELEASE-93-74
P93-10076 06 NASA RELEASE-93-75
P93-10077 06 NASA RELEASE-93-76
P93-10078 06 NASA RELEASE-93-77
P93-10079 06 NASA RELEASE-93-78
P93-10080 06 NASA RELEASE-93-79
P93-10081 06 NASA RELEASE-93-80
P93-10082 06 NASA RELEASE-93-81
P93-10083 06 NASA RELEASE-93-82
P93-10084 06 NASA RELEASE-93-83
P93-10085 06 NASA RELEASE-93-84
P93-10086 06 NASA RELEASE-93-85
P93-10087 06 NASA RELEASE-93-86
P93-10088 06 NASA RELEASE-93-87
P93-10089 06 NASA RELEASE-93-88
P93-10090 06 NASA RELEASE-93-89
P93-10091 06 NASA RELEASE-93-90
P93-10092 06 NASA RELEASE-93-91
P93-10093 06 NASA RELEASE-93-92
P93-10094 06 NASA RELEASE-93-93
P93-10095 06 NASA RELEASE-93-94
P93-10096 06 NASA RELEASE-93-95
P93-10097 06 NASA RELEASE-93-96
P93-10098 06 NASA RELEASE-93-97
P93-10099 06 NASA RELEASE-93-98
P93-10100 06 NASA RELEASE-93-99
P93-10101 06 NASA RELEASE-93-100
P93-10102 06 NASA RELEASE-93-101
P93-10103 06 NASA RELEASE-93-102
P93-10104 06 NASA RELEASE-93-103
P93-10105 06 NASA RELEASE-93-104
P93-10106 06 NASA RELEASE-93-105
P93-10107 06 NASA RELEASE-93-106
P93-10108 06 NASA RELEASE-93-107
P93-10109 06 NASA RELEASE-93-108
P93-10110 06 NASA RELEASE-93-109
P93-10111 06 NASA RELEASE-93-110
P93-10112 06 NASA RELEASE-93-111
P93-10113 06 NASA RELEASE-93-112
P93-10114 06 NASA RELEASE-93-113
P93-10115 06 NASA RELEASE-93-114
P93-10116 06 NASA RELEASE-93-115
P93-10117 06 NASA RELEASE-93-116
P93-10118 06 NASA RELEASE-93-117
P93-10119 06 NASA RELEASE-93-118
P93-10120 06 NASA RELEASE-93-119
P93-10121 06 NASA RELEASE-93-120
P93-10122 06 NASA RELEASE-93-121
P93-10123 06 NASA RELEASE-93-122
P93-10124 06 NASA RELEASE-93-123
P93-10125 06 NASA RELEASE-93-124
P93-10126 06 NASA RELEASE-93-125
P93-10127 06 NASA RELEASE-93-126
P93-10128 06 NASA RELEASE-93-127
P93-10129 06 NASA RELEASE-93-128
P93-10130 06 NASA RELEASE-93-129
P93-10131 06 NASA RELEASE-93-130
P93-10132 06 NASA RELEASE-93-131
P93-10133 06 NASA RELEASE-93-132
P93-10134 06 NASA RELEASE-93-133
P93-10135 06 NASA RELEASE-93-134
P93-10136 06 NO REPORT NUMBER
P93-10137 06 NASA RELEASE-93-136
P93-10138 06 NASA RELEASE-93-137
P93-10139 06 NASA RELEASE-93-138
P93-10140 06 NASA RELEASE-93-139
P93-10141 06 NASA RELEASE-93-140
P93-10142 06 NASA RELEASE-93-141
P93-10143 06 NASA RELEASE-93-142
P93-10144 06 NASA RELEASE-93-143
P93-10145 06 NASA RELEASE-93-144
P93-10146 06 NASA RELEASE-93-145
P93-10147 06 NASA RELEASE-93-146
P93-10148 06 NASA RELEASE-93-147
P93-10149 06 NASA RELEASE-93-148
P93-10150 06 NASA RELEASE-93-149
P93-10151 06 NASA RELEASE-93-150
P93-10152 06 NASA RELEASE-93-151
P93-10153 06 NASA RELEASE-93-152
P93-10154 06 NASA RELEASE-93-153
P93-10155 06 NASA RELEASE-93-154
P93-10156 06 NASA RELEASE-93-155
P93-10157 06 NASA RELEASE-93-156
P93-10158 06 NASA RELEASE-93-157
P93-10159 06 NASA RELEASE-93-158
P93-10160 06 NASA RELEASE-93-159
P93-10161 06 NASA RELEASE-93-160
P93-10162 06 NASA RELEASE-93-161
P93-10163 06 NASA RELEASE-93-162
P93-10164 06 NASA RELEASE-93-163
P93-10165 06 NASA RELEASE-93-164
P93-10166 06 NASA RELEASE-93-165
P93-10167 06 NASA RELEASE-93-166
P93-10168 06 NASA RELEASE-93-167
P93-10169 06 NASA RELEASE-93-168
P93-10170 06 NASA RELEASE-93-169
P93-10171 06 NASA RELEASE-93-170
P93-10172 06 NASA RELEASE-93-171
P93-10173 06 NASA RELEASE-93-172
P93-10174 06 NASA RELEASE-93-173
P93-10175 06 NASA RELEASE-93-174
P93-10176 06 NASA RELEASE-93-175
P93-10177 06 NASA RELEASE-93-176
P93-10178 06 NASA RELEASE-93-177
P93-10179 06 NASA RELEASE-93-178
P93-10180 06 NASA RELEASE-93-179
P93-10181 06 NASA RELEASE-93-180
P93-10182 06 NASA RELEASE-93-181
P93-10183 06 NASA RELEASE-93-182
P93-10184 06 NASA RELEASE-93-183
P93-10185 06 NASA RELEASE-93-184
P93-10186 06 NASA RELEASE-93-185
P93-10187 06 NASA RELEASE-93-186
P93-10188 06 NASA RELEASE-93-187
P93-10189 06 NASA RELEASE-93-188
P93-10190 06 NASA RELEASE-93-189
P93-10191 06 NASA RELEASE-93-190
P93-10192 06 NASA RELEASE-93-191
P93-10193 06 NASA RELEASE-93-192
P93-10194 06 NASA RELEASE-93-193
P93-10195 06 NASA RELEASE-93-194
P93-10196 06 NASA RELEASE-93-195
P93-10197 06 NASA RELEASE-93-196
P93-10198 06 NASA RELEASE-93-197
P93-10199 06 NASA RELEASE-93-198
P93-10200 06 NASA RELEASE-93-199
P93-10201 06 NASA RELEASE-93-200
P93-10202 06 NASA RELEASE-93-201
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P93-10209 06 NASA RELEASE-93-208
P93-10210 06 NASA RELEASE-93-209
P93-10211 06 NASA RELEASE-93-210
P93-10212 06 NASA RELEASE-93-211
P93-10213 06 NASA RELEASE-93-212
P93-10214 06 NASA RELEASE-93-213
P93-10215 06 NASA RELEASE-93-214
P93-10216 06 NASA RELEASE-93-215
P93-10217 06 NASA RELEASE-93-216
P93-10218 06 NASA RELEASE-93-217
P93-10219 06 NASA RELEASE-93-218
P93-10220 06 NASA RELEASE-93-219
P93-10221 06 NASA RELEASE-93-220

ACCESSION

| | | | |
|-----------|----|-------|---------------------|
| P93-10222 | 06 | ..... | NASA RELEASE-93-221 |
| P93-10223 | 06 | ..... | NASA RELEASE-93-222 |
| P93-10224 | 06 | ..... | NASA RELEASE-93-223 |
| P93-10225 | 06 | ..... | NASA RELEASE-93-224 |
| P93-10226 | 06 | ..... | NASA RELEASE-93-225 |
| P93-10227 | 06 | ..... | NASA RELEASE-93-226 |
| P93-10228 | 06 | ..... | NASA RELEASE-93-227 |
| P93-10229 | 06 | ..... | NASA RELEASE-93-228 |
| P93-10230 | 05 | ..... | NO REPORT NUMBER |
| P93-10231 | 05 | ..... | NO REPORT NUMBER |
| P93-10232 | 05 | ..... | NO REPORT NUMBER |
| P93-10233 | 05 | ..... | NO REPORT NUMBER |
| P93-10234 | 05 | ..... | NO REPORT NUMBER |
| P93-10235 | 05 | ..... | NO REPORT NUMBER |
| P93-10236 | 05 | ..... | NO REPORT NUMBER |
| P93-10237 | 05 | ..... | NO REPORT NUMBER |
| P93-10238 | 05 | ..... | NO REPORT NUMBER |
| P93-10239 | 05 | ..... | NO REPORT NUMBER |
| P93-10240 | 05 | ..... | NO REPORT NUMBER |
| P93-10241 | 05 | ..... | NO REPORT NUMBER |
| P93-10242 | 05 | ..... | NO REPORT NUMBER |
| P93-10243 | 05 | ..... | NO REPORT NUMBER |
| P93-10244 | 05 | ..... | NO REPORT NUMBER |
| P93-10245 | 05 | ..... | NO REPORT NUMBER |
| P93-10246 | 05 | ..... | NO REPORT NUMBER |
| P93-10247 | 05 | ..... | NO REPORT NUMBER |
| P93-10248 | 05 | ..... | NO REPORT NUMBER |
| P93-10249 | 05 | ..... | NO REPORT NUMBER |

Typical Speech Entry



This listing provides the complete citation for each speech indexed in this publication. Included for each speech are the title, name of speaker, date of release, and other reference information.

P93-10230

TRANSCRIPT: REMARKS BY DANIEL S. GOLDIN ON NASA TELEVISION
GOLDIN, DANIEL S. 18 FEB. 1993 3p

P93-10231

REMARKS BY NASA ADMINISTRATOR DAN GOLDIN BEFORE THE JPL HIGH-TECH SMALL BUSINESS DEVELOPMENT PROCUREMENT CONFERENCE; LOS ANGELES, CALIFORNIA
GOLDIN, DANIEL S. 1 MAR. 1993 20p

P93-10232

REMARKS BY NASA ADMINISTRATOR DANIEL S. GOLDIN TO THE AMERICAN ASTRONAUTICAL SOCIETY - GODDARD MEMORIAL SYMPOSIUM: REDESIGN OF THE SPACE STATION; HYATT REGENCY HOTEL, CRYSTAL CITY, ARLINGTON, VIRGINIA
GOLDIN, DANIEL S. 10 MAR. 1993 12p

P93-10233

NASA PRESS CONFERENCE: SPACE STATION REDESIGN; NASA HEADQUARTERS BUILDING, WASHINGTON, DC
GOLDIN, DANIEL S. 11 MAR. 1993 34p

P93-10234

NASA BUDGET BRIEFING; NASA HEADQUARTERS, WASHINGTON, DC
GOLDIN, DANIEL S. 8 APR. 1993 25p

P93-10235

AIAA LUNCHEON; CRYSTAL CITY HYATT REGENCY HOTEL, CRYSTAL CITY, VIRGINIA
GOLDIN, DANIEL S. 5 MAY 1993 7p

P93-10236

REMARKS PREPARED FOR DELIVERY: BRUNEL'S PRODUCTION LINE - INSPIRATION, INNOVATION AND THE MARCH OF TECHNOLOGY; NATIONAL CENTER FOR MANUFACTURING SCIENCES 1993 ANNUAL MEETING, WASHINGTON, DC
GOLDIN, DANIEL S. 11 MAY 1993 11p

P93-10237

THE REDESIGN OF THE SPACE STATION: GRAPPLING WITH THE CHALLENGE TO CHANGE
GOLDIN, DANIEL S. 7 JUN. 1993 3p

P93-10238

REMARKS PREPARED FOR DELIVERY: TO BOLDLY GO - GIVING THOUGHT TO WHAT COMES NEXT IN SPACE; NATIONAL SPACE CLUB SPACE OUTLOOK CONFERENCE, FAIRFAX, VIRGINIA
GOLDIN, DANIEL S. 23 JUN. 1993 9p

P93-10239

PRESS CONFERENCE; JOHNSON SPACE CENTER, HOUSTON, TEXAS
GOLDIN, DANIEL S. 16 JUL. 1993 13p

P93-10240

ADDRESS TO THE AIAA
GOLDIN, DANIEL S. 27 SEP. 1993 14p

P93-10241

NASA INTERVIEW WITH BILL BROAD, NEW YORK TIMES SCIENCE WRITER
BROAD, BILL 8 NOV. 1993 52p

P93-10242

NEW YORK TIMES INTERVIEW
BROAD, BILL 8 NOV. 1993 15p

P93-10243

REMARKS BY NASA ADMINISTRATOR DAN GOLDIN TO THE AEROSPACE INDUSTRY ASSOCIATION (AIA); LITCHFIELD PARK, ARIZONA
GOLDIN, DANIEL S. 9 NOV. 1993 16p

P93-10244

GLOBAL CHANGE RESEARCH: ACADEMY OF SCIENCES, NATIONAL RESEARCH COUNCIL BUILDING, WASHINGTON, DC
GOLDIN, DANIEL S. 10 NOV. 1993 13p

P93-10245

INTERVIEW WITH MATT BATES, INTERNATIONAL AEROSPACE MACHINISTS UNION; ACR HEADQUARTERS, WASHINGTON, DC
BATES, MATT 10 NOV. 1993 19p

P93-10246

REMARKS BY DANIEL S. GOLDIN
GOLDIN, DANIEL S. 12 NOV. 1993 5p

P93-10247

WEST VIRGINIA HIGH TECH CONSORTIUM; FAIRMONT, WEST VIRGINIA
GOLDIN, DANIEL S. 3 DEC. 1993 6p

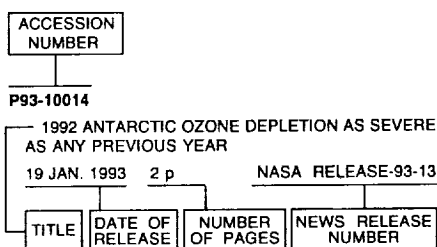
P93-10248

REMARKS GIVEN TO JOHN LOGSTONE SPACE POLICY CLASS; GEORGE WASHINGTON UNIVERSITY
LOGSTONE, JOHN 6 DEC. 1993 43p

P93-10249

MUTUAL BROADCASTING SYSTEM'S 'THE LARRY KING SHOW': INTERVIEW WITH DAN GOLDIN
KING, LARRY 8 DEC. 1993 37p

Typical News Release Entry



This listing provides the complete citation for each news release indexed in this publication. Included for each news release are the title, date of release, news release number (if any), and other reference information.

- P93-10001**
MYSTERIOUS CONCENTRATION OF DARK MATTER DISCOVERED
4 JAN. 1993 3p NASA RELEASE-93-1
- P93-10002**
NASA INVENTION YIELDS BETTER, FASTER STRESS MEASUREMENTS
5 JAN. 1993 2p NASA RELEASE-93-2
- P93-10003**
NASA SELECTS PHASE II SMALL BUSINESS INNOVATION RESEARCH PROJECTS
6 JAN. 1993 1p NASA RELEASE-93-3
- P93-10004**
FIRST 1993 SHUTTLE MISSION DEMONSTRATES UNIQUE CAPABILITIES
6 JAN. 1993 4p NASA RELEASE-93-4
- P93-10005**
SPACE SHUTTLE MISSION: STS-54
JAN. 1993 45p NASA RELEASE-93-4A
- P93-10006**
BIG BANG THEORY PASSES TOUGHEST TEST
7 JAN. 1993 2p NASA RELEASE-93-5
- P93-10007**
HUBBLE DISCOVERS A DOUBLE NUCLEUS IN CORE OF ACTIVE GALAXY
7 JAN. 1993 2p NASA RELEASE-93-6
- P93-10008**
SPACE STATION FREEDOM PROPULSION FIRING TESTS UNDERWAY
7 JAN. 1993 2p NASA RELEASE-93-7
- P93-10009**
UNIVERSITIES FLY OZONE RESEARCH BALLOON FROM TEXAS TO FLA.
8 JAN. 1993 2p NASA RELEASE-93-8
- P93-10010**
GOLDIN CALLS FOR IMPROVED TECHNOLOGY TRANSFER TO INDUSTRY
8 JAN. 1993 3p NASA RELEASE-93-9
- P93-10011**
SPACE STATION PRECURSOR WORK CONTINUES ON SHUTTLE IN 1993
12 JAN. 1993 5p NASA RELEASE-93-10
- P93-10012**
LEE NAMED NASA PROCUREMENT CHIEF
12 JAN. 1993 1p NASA RELEASE-93-11
- P93-10013**
EARTH'S ROTATION RATE MAY BE DUE TO EARLY COLLISIONS
15 JAN. 1993 2p NASA RELEASE-93-12
- P93-10014**
1992 ANTARCTIC OZONE DEPLETION AS SEVERE AS ANY PREVIOUS YEAR
19 JAN. 1993 2p NASA RELEASE-93-13
- P93-10015**
STAFFORD RECEIVES CONGRESSIONAL SPACE MEDAL OF HONOR
19 JAN. 1993 2p NASA RELEASE-93-14
- P93-10016**
VINCENT NAMED ACTING PUBLIC AFFAIRS HEAD
25 JAN. 1993 1p NASA RELEASE-93-15
- P93-10017**
CROSSFIELD AWARDED NASA DISTINGUISHED PUBLIC SERVICE MEDAL
27 JAN. 1993 2p NASA RELEASE-93-16
- P93-10018**
NEW ADVISORY GROUP EYES MINORITY BUSINESSES
28 JAN. 1993 1p NASA RELEASE-93-17
- P93-10019**
KSC BASE OPERATIONS CONTRACT AWARD PROTESTS SETTLED
29 JAN. 1993 1p NASA RELEASE-93-18
- P93-10020**
NASA PRESENTS PUBLIC SERVICE MEDAL TO GENE RODDENBERRY
1 FEB. 1993 1p NASA RELEASE-93-19
- P93-10021**
SECOND GERMAN SPACELAB MISSION IS SPACE SHUTTLE'S 54TH FLIGHT
FEB. 1993 50p NASA RELEASE-93-20
- P93-10022**
SPACEWALK ADDED TO JULY SPACE SHUTTLE FLIGHT
3 FEB. 1993 2p NASA RELEASE-93-21
- P93-10023**
CONSORT 6 LAUNCH DATE SET
4 FEB. 1993 2p NASA RELEASE-93-22
- P93-10024**
NASA RESEARCHER TAPPED FOR OHIO SCIENCE HALL OF FAME
5 FEB. 1993 2p NASA RELEASE-93-23
- P93-10025**
ASTROPHYSICIST NAMED 1992 NASA INVENTOR OF THE YEAR
8 FEB. 1993 2p NASA RELEASE-93-24
- P93-10026**
NASA SCIENTISTS SOLVE LONG-STANDING STELLAR MYSTERY
9 FEB. 1993 2p NASA RELEASE-93-25
- P93-10027**
AAAS TO HONOR NASA SCIENTIST FOR OZONE RESEARCH
11 FEB. 1993 2p NASA RELEASE-93-26
- P93-10028**
NASA SELECTS 11 DISCOVERY MISSION CONCEPTS FOR STUDY
11 FEB. 1993 4p NASA RELEASE-93-27
- P93-10029**
ASTRO-D MISSION TO LAUNCH TONIGHT IN JAPAN
11 FEB. 1993 2p NASA RELEASE-93-28
- P93-10030**
NASA CO-SPONSORS HIGH-TECH SMALL BUSINESS CONFERENCE
16 FEB. 1993 1p NASA RELEASE-93-29
- P93-10031**
NASA STUDY MAY HELP REDUCE LIGHTEADEDNESS AFTER SPACE FLIGHT
17 FEB. 1993 2p NASA RELEASE-93-30
- P93-10032**
SPACEWALK ADDED TO APRIL SPACE SHUTTLE FLIGHT
17 FEB. 1993 2p NASA RELEASE-93-31
- P93-10033**
NASA BUDGET BOOSTS TECHNOLOGY, PROMISES IMPROVED SPACE STATION PROGRAM
18 FEB. 1993 2p NASA RELEASE-93-32
- P93-10034**
NASA SELECTS SMALL BUSINESS INNOVATION RESEARCH PROJECTS
19 FEB. 1993 1p NASA RELEASE-93-33
- P93-10035**
STS-56 MISSION CONTINUES NASA'S MISSION TO PLANET EARTH
MAR. 1993 60p NASA RELEASE-93-34
- P93-10036**
NASA SAVES \$1 MILLION ON AERONAUTICS RESEARCH PROJECT
22 FEB. 1993 2p NASA RELEASE-93-35
- P93-10037**
SUPERNOVA MAY HAVE CAUSED HUGE VOID AROUND SOLAR SYSTEM
25 FEB. 1993 2p NASA RELEASE-93-36
- P93-10038**
NASA FUNDS EXPERIMENT TO HELP COMMERCIALIZE TECHNOLOGY
25 FEB. 1993 2p NASA RELEASE-93-37
- P93-10039**
GOLDIN ANNOUNCES KEY SPACE STATION POSTS, SPENDING MEASURES
25 FEB. 1993 2p NASA RELEASE-93-38
- P93-10040**
SCIENTISTS FORESEE STRENGTHENING EL NINO EVENT
26 FEB. 1993 2p NASA RELEASE-93-39
- P93-10041**
NASA SELECTS CENTER FOR LIFE SCIENCES RESEARCH
4 MAR. 1993 2p NASA RELEASE-93-40
- P93-10042**
MT. PINATUBO ERUPTION CAUSES TEMPORARY COOLING OF EARTH
4 MAR. 1993 2p NASA RELEASE-93-41
- P93-10043**
STS-62 AND STS-59 SPACE SHUTTLE CREW ASSIGNMENTS ANNOUNCED
5 MAR. 1993 3p NASA RELEASE-93-42
- P93-10044**
ASTRONAUT JEMISON TO LEAVE NASA
5 MAR. 1993 1p NASA RELEASE-93-43

P93-10045
ORGANIZATIONAL CHANGES TO ENHANCE PROGRAMS, RELATIONS
11 MAR. 1993 3p NASA RELEASE-93-44

P93-10046
CATARACT SUFFERERS COULD BENEFIT FROM SPACE TECHNOLOGY
15 MAR. 1993 2p NASA RELEASE-93-45

P93-10047
NASA, LEARJET JOIN TO CREATE NEW BUSINESS JET TECHNOLOGIES
16 MAR. 1993 2p NASA RELEASE-93-46

P93-10048
NASA AND CENTRAL AMERICA WILL EXPAND RAIN FOREST STUDIES
16 MAR. 1993 3p NASA RELEASE-93-47

P93-10049
THREE SPACECRAFT TO CONDUCT 3-WEEK GRAVITATIONAL WAVE SEARCH
17 MAR. 1993 3p NASA RELEASE-93-48

P93-10050
PEARSON ANNOUNCES SHUTTLE PROGRAM ADJUSTMENTS
19 MAR. 1993 2p NASA RELEASE-93-49

P93-10051
NASA/OHIO AEROSPACE INSTITUTE TO HOST CYBERSPACE CONFERENCE
22 MAR. 1993 2p NASA RELEASE-93-50

P93-10052
EVIDENCE POINTS TO OCEANS, LIGHTNING ON EARLY VENUS
24 MAR. 1993 3p NASA RELEASE-93-51

P93-10053
NASA TO DEVELOP TECHNOLOGY FOR FUTURE HIGH-SPEED TRANSPORTS
25 MAR. 1993 2p NASA RELEASE-93-52

P93-10054
DIAZ NAMED TO SPACE SCIENCE POST
24 MAR. 1993 1p NASA RELEASE-93-53

P93-10055
EXPLORATION EFFORT SHIFTED TO OFFICE OF SPACE SCIENCE
25 MAR. 1993 1p NASA RELEASE-93-54

P93-10056
NASA AND CALIFORNIA WINE GROWERS JOINTLY BATTLE PEST DAMAGE
30 MAR. 1993 3p NASA RELEASE-93-55

P93-10057
NASA AWARDS CONTRACT FOR EOSDIS CORE SYSTEM
30 MAR. 1993 2p NASA RELEASE-93-56

P93-10058
NEW TECHNOLOGY REINVESTMENT PROJECT SEMINAR SET FOR APRIL 1
30 MAR. 1993 2p NASA RELEASE-93-57

P93-10059
DIAMONDS IN THE SKY CHALLENGE GALAXY EVOLUTION THEORIES
1 APR. 1993 3p NASA RELEASE-93-58

P93-10060
SPACE STATION REDESIGN ADVISORY MEMBERS NAMED
1 APR. 1993 2p NASA RELEASE-93-59

P93-10061
NASA TDRSS NETWORK MARKS 10 YEARS OF OPERATION
2 APR. 1993 2p NASA RELEASE-93-60

P93-10062
PRIME AND BACKUP COSMONAUTS NAMED FOR SHUTTLE STS-60 MISSION
2 APR. 1993 1p NASA RELEASE-93-61

P93-10063
NASA AND THE RUSSIAN SPACE AGENCY SIGN MARS '94 CONTRACT
2 APR. 1993 1p NASA RELEASE-93-62

P93-10064
SCIENTISTS REVEAL NATURE OF EXPLODING, RED SUPERGIANT STAR
6 APR. 1993 3p NASA RELEASE-93-63

P93-10065
GIBBONS OUTLINES SPACE STATION REDESIGN GUIDANCE
6 APR. 1993 2p NASA RELEASE-93-64

P93-10066
NASA, OTHER AGENCIES TO EXPLAIN TECHNOLOGY REINVESTMENT
8 APR. 1993 2p NASA RELEASE-93-65

P93-10067
CLEMENTINE MISSION SCIENCE TEAM SELECTED
9 APR. 1993 2p NASA RELEASE-93-66

P93-10068
COMPUTER PROGRAM WILL CATALOG ASTRONOMICAL SKY SURVEY
13 APR. 1993 2p NASA RELEASE-93-67

P93-10069
OZONE DESTROYING CHLORINE EXISTED LONGER IN 1992-93 WINTER
14 APR. 1993 2p NASA RELEASE-93-68

P93-10070
NASA SPACE SUIT AND MEDICAL TECHNOLOGIES HONORED
15 APR. 1993 2p NASA RELEASE-93-69

P93-10071
JEFF LAWRENCE APPOINTED TO HEAD LEGISLATIVE AFFAIRS FOR NASA
19 APR. 1993 2p NASA RELEASE-93-70

P93-10072
NASA SR-71 NOW A FLYING OBSERVATORY
20 APR. 1993 2p NASA RELEASE-93-71

P93-10073
NASA SATELLITE DATA SHAKE THEORIES ON GAMMA-RAY BURSTS
22 APR. 1993 3p NASA RELEASE-93-72

P93-10074
NASA ENGINEER RECEIVES TECHNOLOGY TRANSFER AWARD
23 APR. 1993 1p NASA RELEASE-93-73

P93-10075
1992-93 GLOBAL OZONE LEVELS LOWER THAN ANY PREVIOUS YEAR
22 APR. 1993 2p NASA RELEASE-93-74

P93-10076
NASA F-15 MAKES FIRST ENGINE-CONTROLLED TOUCHDOWN
22 APR. 1993 2p NASA RELEASE-93-75

P93-10077
HUBBLE TELESCOPE SERVICING MISSION SCHEDULED FOR ELEVEN DAYS
23 APR. 1993 2p NASA RELEASE-93-76

P93-10078
TECHNOLOGY TRANSFER CENTER TO WORK WITH SDIO TO AID INDUSTRY
29 APR. 1993 1p NASA RELEASE-93-77

P93-10079
FIRST SPACEHAB FLIGHT HIGHLIGHTS STS-57 SHUTTLE MISSION
JUN. 1993 77p NASA RELEASE-93-78

P93-10080
COLUMBIA'S RETURN MARKS SIGNIFICANT SPACE SHUTTLE MILESTONES
6 MAY 1993 4p NASA RELEASE-93-79

P93-10081
FASTEST SUPERCOMPUTER CAN BOOST U.S. AEROSPACE INDUSTRY
7 MAY 1993 2p NASA RELEASE-93-80

P93-10082
WORLD'S LARGEST WIND TUNNEL WILL BE WORLD'S QUIETEST
10 MAY 1993 2p NASA RELEASE-93-81

P93-10083
NASA AND NATIONAL INDUSTRY RESEARCH GROUP SIGN AGREEMENT
11 MAY 1993 2p NASA RELEASE-93-82

P93-10084
NASA GROUND TERMINALS RECEIVE NATIVE AMERICAN NAMES
13 MAY 1993 2p NASA RELEASE-93-83

P93-10085
NASA AMES TO DRIVE RUSSIAN ROBOT VIA SATELLITE
14 MAY 1993 2p NASA RELEASE-93-84

P93-10086
SOLICITATION ISSUED FOR TECHNOLOGY REINVESTMENT PROPOSALS
14 MAY 1993 2p NASA RELEASE-93-85

P93-10087
LEWIS SPACE RESEARCH SPAWNS WATER PURIFICATION SYSTEM
17 MAY 1993 2p NASA RELEASE-93-86

P93-10088
INTERNATIONAL MARS EXPLORATION GROUP FORMED
17 MAY 1993 1p NASA RELEASE-93-87

P93-10089
NASA JOINS FORCES WITH INDUSTRY IN AIDS RESEARCH
17 MAY 1993 2p NASA RELEASE-93-88

P93-10090
MAGELLAN TO TEST AEROBRAKING MANEUVER IN VENUS ATMOSPHERE
18 MAY 1993 2p NASA RELEASE-93-89

P93-10091
INDUSTRY TESTS NASA COMPUTER PROGRAMS FOR EFFICIENT DESIGNING
19 MAY 1993 2p NASA RELEASE-93-90

P93-10092
LEWIS, CASE, BATTELLE TO COMMERCIALIZE NASA INVENTIONS
19 MAY 1993 2p NASA RELEASE-93-91

P93-10093
NASA TO FEATURE VIDEOWALL AT PARIS AIR SHOW
20 MAY 1993 1p NASA RELEASE-93-92

P93-10094
METABOLIC SPACEWALK STUDIES SUBJECT OF AMES RESEARCH
20 MAY 1993 2p NASA RELEASE-93-93

P93-10095
SCIENTISTS LOCATE NEW RADIATION BELT AROUND EARTH
25 MAY 1993 2p NASA RELEASE-93-94

P93-10096
NASA SYSTEM RESEARCH AIRCRAFT MAKES FIRST TEST FLIGHT
24 MAY 1993 2p NASA RELEASE-93-95

P93-10097
HUBBLE SERVICING MISSION STUDY COMPLETED
25 MAY 1993 2p NASA RELEASE-93-96

P93-10098
HUBBLE LOOKS AT THE HEART OF A GALAXY COLLISION
25 MAY 1993 3p NASA RELEASE-93-97

P93-10099
MAGELLAN AEROBRAKING, GRAVITY STUDIES UNDERWAY
26 MAY 1993 2p NASA RELEASE-93-98

P93-10100
VOYAGER SPACECRAFT FIND CLUE TO ANOTHER SOLAR SYSTEM MYSTERY
26 MAY 1993 3p NASA RELEASE-93-99

P93-10101
NASA TO COMMERCIALIZE REMOTE-CONTROL TECHNOLOGY
1 JUN. 1993 2p NASA RELEASE-93-100

P93-10102
BIENNIAL ASTRONAUT RECRUITING BEGINS
1 JUN. 1993 1p NASA RELEASE-93-101

P93-10103
SHUTTLE TILE MATERIAL MAY HELP IN BONE TRANSPLANTS
2 JUN. 1993 3p NASA RELEASE-93-102

P93-10104
NASA TESTING NEW, POWERFUL DUCTED FANS ENGINE FOR CIVIL JETS
3 JUN. 1993 2p NASA RELEASE-93-103

NEWS RELEASES

P93-10105

STATION REDESIGN TEAM TO SUBMIT FINAL REPORT
4 JUN. 1993 5p NASA RELEASE-93-104

P93-10106

NEW DISCOVERIES BY NASA'S EUV EXPLORER PRESENTED
7 JUN. 1993 2p NASA RELEASE-93-105

P93-10107

NASA USES NEW METHOD TO DETECT NEW STARS AND PLANETS
8 JUN. 1993 2p NASA RELEASE-93-106

P93-10108

EVIDENCE FOR SOLID WATER FOUND ON JUPITER'S MOON IO
8 JUN. 1993 2p NASA RELEASE-93-107

P93-10109

HUBBLE CLOSING IN ON AGE OF THE UNIVERSE
9 JUN. 1993 2p NASA RELEASE-93-108

P93-10110

HUBBLE FINDS EVIDENCE OF STELLAR CLOSE ENCOUNTERS
9 JUN. 1993 3p NASA RELEASE-93-109

P93-10111

PIONEER CELEBRATES 10 YEARS BEYOND THE KNOWN SOLAR PLANETS
11 JUN. 1993 2p NASA RELEASE-93-110

P93-10112

NASA AND NIDCD SELECT VESTIBULAR RESEARCH CENTER
21 JUN. 1993 2p NASA RELEASE-93-111

P93-10113

MALCOLM PETERSON APPOINTED NASA ACTING COMPTROLLER
14 JUN. 1993 2p NASA RELEASE-93-112

P93-10114

ASTRONAUT BLUFORD LEAVES NASA
15 JUN. 1993 1p NASA RELEASE-93-113

P93-10115

ASTRONAUT MARK BROWN TO JOIN GENERAL RESEARCH CORP.
16 JUN. 1993 1p NASA RELEASE-93-114

P93-10116

NASA F-15 BEING READIED FOR ADVANCED MANEUVERING FLIGHT
16 JUN. 1993 2p NASA RELEASE-93-115

P93-10117

MINORITY STUDENTS APPRENTICE ON SPACE RESEARCH
18 JUN. 1993 2p NASA RELEASE-93-116

P93-10118

STUDENTS BEGIN NASA LIFE SCIENCES TRAINING PROGRAM
21 JUN. 1993 2p NASA RELEASE-93-117

P93-10119

SHUTTLE OZONE DATA RETRIEVED FROM ATMOS RECORDER
23 JUN. 1993 2p NASA RELEASE-93-118

P93-10120

NASA STUDY REFINES ESTIMATES OF AMAZON DEFORESTATION
24 JUN. 1993 3p NASA RELEASE-93-119

P93-10121

TWO ASTRONAUTS APPOINTED TO HEADQUARTERS POSITIONS
24 JUN. 1993 1p NASA RELEASE-93-120

P93-10122

ACTS DEPLOYMENT HIGHLIGHTS STS-51 MISSION
JUL. 1993 64p NASA RELEASE-93-121

P93-10123

TOPEX POSEIDON MAPS PRECISE GLOBAL SEA LEVEL
28 JUN. 1993 2p NASA RELEASE-93-122

P93-10124

NASA SELECTS UPPER ATMOSPHERE INVESTIGATORS
1 JUL. 1993 3p NASA RELEASE-93-123

P93-10125

NASA AWARDS HIGH-SPEED AIR TRANSPORT MATERIALS STUDY CONTRACTS
7 JUL. 1993 2p NASA RELEASE-93-124

P93-10126

NASA AND SUPRA MEDICAL CORP. TO DEVELOP ULTRASOUND DETECTOR
12 JUL. 1993 1p NASA RELEASE-93-125

P93-10127

TDRSS C-BAND AGREEMENT RESTRUCTURED
13 JUL. 1993 1p NASA RELEASE-93-126

P93-10128

NASA, FAA PROGRAM COULD SAVE AIRLINES MILLIONS OF DOLLARS
15 JUL. 1993 3p NASA RELEASE-93-127

P93-10129

NASA OSHKOSH EXHIBIT HIGHLIGHTS U.S. 'LEADERSHIP IN AERONAUTICS'
15 JUL. 1993 4p NASA RELEASE-93-128

P93-10130

NASA AND GERMAN SPACE AGENCY SIGN SPACE AGREEMENT
16 JUL. 1993 2p NASA RELEASE-93-129

P93-10131

HUBBLE SUPPORTS BLACK HOLE MODEL FOR ACTIVE GALAXIES
16 JUL. 1993 3p NASA RELEASE-93-130

P93-10132

JSC DIRECTOR COHEN ANNOUNCES RETIREMENT
16 JUL. 1993 2p NASA RELEASE-93-131

P93-10133

FINARELLI APPOINTED HEAD OF STRATEGIC PLANNING
19 JUL. 1993 2p NASA RELEASE-93-132

P93-10134

HUBBLE FINDS A DOUBLE NUCLEUS IN THE ANDROMEDA GALAXY
19 JUL. 1993 4p NASA RELEASE-93-133

P93-10135

NASA PROVIDING MIDWEST FLOODING INFORMATION
22 JUL. 1993 2p NASA RELEASE-93-134

P93-10136

STS-58 SECOND SPACELAB MISSION DEDICATED TO LIFE SCIENCES
~~P93-10137~~ 38p

P93-10137

SPACE STATION ORGANIZATION CHANGES ANNOUNCED
27 JUL. 1993 2p NASA RELEASE-93-136

P93-10138

NASA ADAPTING UNIQUE X-RAY SYSTEM TO INSPECT AIRCRAFT
28 JUL. 1993 2p NASA RELEASE-93-137

P93-10139

ARKANSAS, NASA SIGN TECHNOLOGY TRANSFER ACCORD
30 JUL. 1993 2p NASA RELEASE-93-138

P93-10140

ASTRONAUT BAGIAN TAKES LEAVE OF ABSENCE
3 AUG. 1993 1p NASA RELEASE-93-139

P93-10141

PAYLOAD COMMANDERS NAMED FOR FUTURE SHUTTLE MISSIONS
3 AUG. 1993 2p NASA RELEASE-93-140

P93-10142

COMPTON OBSERVATORY DISCOVERS INTENSE, NEW X-RAY PULSAR
3 AUG. 1993 2p NASA RELEASE-93-141

P93-10143

NITROGEN ICE DISCOVERED ON PLUTO
6 AUG. 1993 2p NASA RELEASE-93-142

P93-10144

UNIQUE CHEMICAL PROCESS COULD IMPROVE CERAMIC MATERIALS
9 AUG. 1993 2p NASA RELEASE-93-143

P93-10145

MAGELLAN AEROBRAKING AT VENUS A SUCCESS
10 AUG. 1993 2p NASA RELEASE-93-144

P93-10146

COBE 'BIG BANG' DATA MADE AVAILABLE TO SCIENTIFIC COMMUNITY
10 AUG. 1993 2p NASA RELEASE-93-145

P93-10147

NASA NAMES IMAGING PRINCIPAL INVESTIGATOR FOR MESUR PATHFINDER
12 AUG. 1993 2p NASA RELEASE-93-146

P93-10148

NASA TESTS HELICOPTER MODEL IN ICING CONDITIONS
13 AUG. 1993 2p NASA RELEASE-93-147

P93-10149

SPACE STATION HOST CENTER AND PRIME CONTRACTOR ANNOUNCED
17 AUG. 1993 3p NASA RELEASE-93-148

P93-10150

HEADING FOR JUPITER, GALILEO TO ENCOUNTER ITS SECOND ASTEROID
23 AUG. 1993 1p NASA RELEASE-93-149

P93-10151

NASA EDUCATION TELECASTS SCHEDULED FOR 1993-94 SCHOOL YEAR
23 AUG. 1993 2p NASA RELEASE-93-150

P93-10152

CONTROLLERS LOSE CONTACT WITH NOAA-13 SATELLITE
23 AUG. 1993 2p NASA RELEASE-93-151

P93-10153

NASA BOOSTS HYPERSONIC RESEARCH WITH UNIVERSITY GRANTS
25 AUG. 1993 2p NASA RELEASE-93-152

P93-10154

NASA NAMES HEAD OF MARS OBSERVER INVESTIGATION BOARD
26 AUG. 1993 1p NASA RELEASE-93-153

P93-10155

NASA/NOAA PANEL TO INVESTIGATE NOAA-13 FAILURE
26 AUG. 1993 2p NASA RELEASE-93-154

P93-10156

NASA, STATE OF FLORIDA, SIGN TECHNOLOGY TRANSFER ACCORD
27 AUG. 1993 1p NASA RELEASE-93-155

P93-10157

HUBBLE IDENTIFIES A SOURCE OF MYSTERIOUS X-RAY BURSTS
27 AUG. 1993 2p NASA RELEASE-93-156

P93-10158

NASA NAMES TEAM TO STUDY RETURN TRIP TO MARS
1 SEP. 1993 1p NASA RELEASE-93-157

P93-10159

NATIONAL TECHNOLOGY AND EDUCATION INITIATIVES LAUNCHED
3 SEP. 1993 2p NASA RELEASE-93-158

P93-10160

MARS OBSERVER INVESTIGATION BOARD MEMBERS NAMED
3 SEP. 1993 1p NASA RELEASE-93-159

P93-10161

NASA SPACE STATION DIRECTOR RICHARD KOHRS TO RETIRE
3 SEP. 1993 2p NASA RELEASE-93-160

P93-10162

CREW MEMBERS SELECTED FOR STS-63 SHUTTLE SPACEHAB-3 FLIGHT
8 SEP. 1993 2p NASA RELEASE-93-161

P93-10163

CORDOVA NAMED NASA CHIEF SCIENTIST
10 SEP. 1993 2p NASA RELEASE-93-162

P93-10164

NASA TESTS NEW LASER AIR DATA SYSTEM ON SR-71 BLACKBIRD
17 SEP. 1993 2p NASA RELEASE-93-163

P93-10165

SATELLITE DATA GET NEW LEASE ON LIFE FROM SOFTWARE BOOST
22 SEP. 1993 2p NASA RELEASE-93-164

P93-10166
FLIGHT TESTS PROVE SIMPLER SATELLITE-GUIDED
AUTOLAND METHOD
23 SEP. 1993 2p NASA RELEASE-93-165

P93-10167
PROTEIN CRYSTAL GROWTH RESEARCH TAKES
STEP TOWARD NEW DRUGS
23 SEP. 1993 2p NASA RELEASE-93-166

P93-10168
NASA RESEARCHERS RECORD UNUSUAL FLASHES
IN UPPER ATMOSPHERE
23 SEP. 1993 2p NASA RELEASE-93-167

P93-10169
NASA SELECTS SECOND SET OF SMALL EXPLORER
MISSIONS
24 SEP. 1993 2p NASA RELEASE-93-168

P93-10170
HUBBLE INSTRUMENT MAY RECEIVE FURTHER
TESTING
24 SEP. 1993 2p NASA RELEASE-93-169

P93-10171
NEW WINDSHEAR SENSORS A
GOVERNMENT-INDUSTRY 'SUCCESS STORY'
28 SEP. 1993 3p NASA RELEASE-93-170

P93-10172
NASA, FAA CONSIDER REVISED WINDSHEAR
PILOTING PROCEDURES
29 SEP. 1993 2p NASA RELEASE-93-171

P93-10173
NASA/FAA RESEARCH AIMS AT MORE EFFICIENT
AIRSPACE OPERATIONS
30 SEP. 1993 2p NASA RELEASE-93-172

P93-10174
SHUTTLE MISSION TO CONDUCT SCIENTIFIC FIRST
28 SEP. 1993 2p NASA RELEASE-93-173

P93-10175
HUBBLE SEES GAS SHELL AROUND NOVA CYGNI
1992
30 SEP. 1993 3p NASA RELEASE-93-174

P93-10176
TWENTY NATIONAL STUDENT WINNERS HONORED
IN WASHINGTON
30 SEP. 1993 3p NASA RELEASE-93-175

P93-10177
ARCHITECT OF NASA TECHNOLOGY INCUBATORS
TO RECEIVE AWARD
30 SEP. 1993 2p NASA RELEASE-93-176

P93-10178
MINORITY CONTRACTORS OF THE YEAR AWARDS
ANNOUNCED
4 OCT. 1993 2p NASA RELEASE-93-177

P93-10179
ANTARCTIC TO BECOME LABORATORY FOR
FUTURE MARS MISSIONS
4 OCT. 1993 3p NASA RELEASE-93-178

P93-10180
COMPTON GAMMA-RAY OBSERVATORY TO GET
ORBIT BOOST
4 OCT. 1993 2p NASA RELEASE-93-179

P93-10181
PORTABLE COMPUTER TO HELP ASTRONAUTS
CONDUCT SCIENCE
5 OCT. 1993 3p NASA RELEASE-93-180

P93-10182
SHUTTLE RAT EXPERIMENT YIELDS UNEXPECTED
RESULTS
8 OCT. 1993 2p NASA RELEASE-93-181

P93-10183
GAMMA-RAY OBSERVATORY PRODUCES THREE
MAJOR DISCOVERIES
12 OCT. 1993 3p NASA RELEASE-93-182

P93-10184
NASA PROGRAM TO HELP VICTIMS OF RUSSIAN
EMERGENCY
12 OCT. 1993 2p NASA RELEASE-93-183

P93-10185
NASA BOARD TO INVESTIGATE STS-51 HARDWARE
PROBLEM
13 OCT. 1993 1p NASA RELEASE-93-184

P93-10186
DIRECTOR OF AMES TECHNOLOGY
COMMERCIALIZATION CENTER NAMED
15 OCT. 1993 1p NASA RELEASE-93-185

P93-10187
NASA SELECTS FLIGHT TECHNOLOGY PROPOSALS
15 OCT. 1993 5p NASA RELEASE-93-186

P93-10188
FROZEN MOLECULAR HYDROGEN DISCOVERED IN
STELLAR NURSERY
15 OCT. 1993 3p NASA RELEASE-93-187

P93-10189
HUBBLE INVESTIGATES COMET ON A COLLISION
COURSE WITH JUPITER
18 OCT. 1993 4p NASA RELEASE-93-188

P93-10190
NASA LIMITS EXPENDITURES ON THE ASRM
PROGRAM
18 OCT. 1993 2p NASA RELEASE-93-189

P93-10191
1993 ANTARCTIC OZONE HOLE REACHES RECORD
LOWS
18 OCT. 1993 3p NASA RELEASE-93-190

P93-10192
GOLDIN ANNOUNCES KEY SPACE STATION
MANAGEMENT MOVES
20 OCT. 1993 1p NASA RELEASE-93-191

P93-10193
MYSTERY OF 'FASTEST FLICKERING' GALAXY
SOLVED
20 OCT. 1993 2p NASA RELEASE-93-192

P93-10194
GALILEO DETECTS MAGNETIC FIELD AROUND
ASTEROID IDA
22 OCT. 1993 2p NASA RELEASE-93-193

P93-10195
COCKPIT WEATHER SYSTEM MAY SAVE AIRLINES
\$6 MILLION PER YEAR
25 OCT. 1993 2p NASA RELEASE-93-194

P93-10196
DANTE ROBOT TO EXPLORE ACTIVE ALASKA
VOLCANO IN SPRING
26 OCT. 1993 2p NASA RELEASE-93-195

P93-10197
U.S./RUSSIAN SPACE AGENCIES HOOKING
SCIENCE NETWORKS
29 OCT. 1993 2p NASA RELEASE-93-196

P93-10198
NASA FOSTERS AEROSPACE ENGINEERING AT
SOUTHERN UNIVERSITY
30 OCT. 1993 2p NASA RELEASE-93-197

P93-10199
NASA-RUSSIAN MISSION EXPLORES KAMCHATKAN
VOLCANOES
29 OCT. 1993 3p NASA RELEASE-93-198

P93-10200
NASA FLIES FIBER OPTICS ON AIRCRAFT CONTROL
SYSTEMS TEST
29 OCT. 1993 2p NASA RELEASE-93-199

P93-10201
NASA ANNOUNCES NEW SEMICONDUCTOR
GROWTH PROCESS
1 NOV. 1993 1p NASA RELEASE-93-200

P93-10202
NASA SPONSORING SMALL BUSINESS
CONFERENCE ON DEC. 1-2
5 NOV. 1993 1p NASA RELEASE-93-201

P93-10203
NASA STARTS PHASE II OF SUPERSONIC AIRLINER
EFFORT
8 NOV. 1993 2p NASA RELEASE-93-202

P93-10204
HUBBLE DEEP-SKY SURVEY FINDS INTERACTING
GALAXIES IN A CLUSTER
8 NOV. 1993 2p NASA RELEASE-93-203

P93-10205
FIVE SPACEWALKS TO SERVICE HUBBLE SPACE
TELESCOPE HIGHLIGHTS SHUTTLE MISSION STS-61
DEC. 1993 53p NASA RELEASE-93-204

P93-10206
TOPEX/POSEIDON DATA CONFIRMS EL NINO
PREDICTIONS
9 NOV. 1993 2p NASA RELEASE-93-205

P93-10207
NASA SMALL BUSINESS OUTREACH OFFICE TO
OPEN IN NASHUA, N.H.
9 NOV. 1993 1p NASA RELEASE-93-206

P93-10208
NASA ANNOUNCES 1993 SBIR PHASE I SELECTIONS
12 NOV. 1993 2p NASA RELEASE-93-207

P93-10209
IO'S 'GHOST' DETECTED ON JUPITER
10 NOV. 1993 2p NASA RELEASE-93-208

P93-10210
JPL TEAM DEVELOPS SPECIAL POLLUTION
DETECTION GLASS
15 NOV. 1993 2p NASA RELEASE-93-209

P93-10211
NASA TAPS 20 SCHOOLS FOR AERONAUTICS
ENGINEERING GRANTS
15 NOV. 1993 2p NASA RELEASE-93-210

P93-10212
NASA TO DEVELOP AND BUILD SPACE STATION
FURNACE FACILITY
19 NOV. 1993 2p NASA RELEASE-93-211

P93-10213
TECHNOLOGY 2003 TO HIGHLIGHT NEW
TECHNOLOGICAL DISCOVERIES
29 NOV. 1993 2p NASA RELEASE-93-212

P93-10214
NASA HELPS PROVIDE FAMINE EARLY WARNING
FOR AFRICA
29 NOV. 1993 3p NASA RELEASE-93-213

P93-10215
NASA EXCEEDS MINORITY SMALL BUSINESS GOAL
AHEAD OF SCHEDULE
30 NOV. 1993 2p NASA RELEASE-93-214

P93-10216
YELLOW CREEK FACILITIES TARGETED FOR
SHUTTLE NOZZLE WORK
2 DEC. 1993 2p NASA RELEASE-93-215

P93-10217
NASA ANNOUNCES ADDITIONAL 1993 SMALL
BUSINESS SELECTIONS
6 DEC. 1993 2p NASA RELEASE-93-216

P93-10218
ULYSSES REACHES UNEXPLORED REGIONS OF
SUN
6 DEC. 1993 3p NASA RELEASE-93-217

P93-10219
NASA-INDUSTRY EFFORT BOOSTS AUTOMATED
PARTS ID SYSTEM
6 DEC. 1993 3p NASA RELEASE-93-218

P93-10220
NASA SELECTS PHASE II SMALL BUSINESS
PROJECTS
15 DEC. 1993 1p NASA RELEASE-93-219

P93-10221
NASA BEGINS DEVELOPMENT OF FIRST
ASTEROID-ORBITING MISSION
15 DEC. 1993 2p NASA RELEASE-93-220

P93-10222
NASA AND RUSSIA SIGN AERONAUTICS
AGREEMENT IN MOSCOW
16 DEC. 1993 2p NASA RELEASE-93-221

P93-10223
NASA AND RUSSIAN SPACE AGENCY SIGN
AGREEMENT FOR ADDITIONAL SPACE SHUTTLE/MIR
MISSIONS
16 DEC. 1993 2p NASA RELEASE-93-222

P93-10224
NASA SCIENTISTS CREATE EARTH BREATHING
IMAGE
20 DEC. 1993 3p NASA RELEASE-93-223

P93-10225
NASA SUCCEEDS WITH GAMMA-RAY
OBSERVATORY REBOOST
20 DEC. 1993 3p NASA RELEASE-93-224

NEWS RELEASES

P93-10226

NASA MODIFIES FUNDING SUPPORT FOR CENTERS
FOR COMMERCIAL DEVELOPMENT

20 DEC. 1993 3p NASA RELEASE-93-225

P93-10227

HST SERVICING MISSION HIGHLIGHTS 1993 NASA
ACCOMPLISHMENTS

22 DEC. 1993 28p NASA RELEASE-93-226

P93-10228

PERSEUS RESEARCH AIRCRAFT MAKES FIRST
TEST FLIGHT

21 DEC. 1993 2p NASA RELEASE-93-227

P93-10229

NASA ENDS COSMIC BACKGROUND EXPLORER
SCIENCE OPERATIONS

23 DEC. 1993 2p NASA RELEASE-93-228

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